Author Index

Volume 33, January–December 2002

AAASPS Investigators, 913
Aarseth J, 2105
Abbott AL, 2014, 2082
Abbott RD, 230
Abe T, 1399
Aben I, 2391
Abilleira S, 1551
Abrahams JM, 1376
AbuRahma AF, 1772
Acarin L, 2499
Achard JM, 881, 1164
Adachi H, 2177
Adam A, 1712
Adams GJ, 2575
Adams HP Jr, 856
Adeleine P, 153, 735
Ådén U, 1405
Adler AI, 1776
Adler Y, 245, 2182
Advisory Working Group on Stroke Center Identification Options, 326
Akiguchi I, 297
Akiyama M, 1071, 1399
Akopov S, 1274
Aksoy FG, 959
Aksu K, 712
Akyol A, 2224
Al-Mubarak N, 1169
Al-Sadat A, 1574
Al-Shahi R, 1501
Alamowitch S, 1651
Albers GW, 493, 2547
Albertini A, 664
Alberts MJ, 2546, 2866
Albrecht KW, 1595
Alén JF, 2153
Alexander MJ, 1916
Alexandrov AV, 99, 1301
Alger JR, 95
Algra A, 19, 695, 1202, 2043, 2413
Ali Z, 880, 1916
Alkayed NJ, 1677
Alley LG, 2936
Almasy L, 2775
Alslev T, 2263
Altarescu G, 525
Alter M, 2652
Altieri M, 1170, 1456
Alvarez-Sabín J, 1551, 2197, 2850
Amarenco P, 513, 2547
Anan K, 2345
Andersen M, 1465
Anderson CS, 643, 1034
Anderson DC, 1963
Andrejak M, 881, 1164
Angelini A, 456
Anthony MS, 2700
Aoki T, 2711
Aponte JH, 1048
Appelros P, 2357
ApSimon H, 210, 2794
Arai AE, 525
Arai M, 642
Araki K, 1792
Araujo DM, 147, 1411, 1665, 2279
Archetti S, 664
Arends M, 2236
Arenillas JF, 1551, 2197
Arima K, 2565
Arnold M, 1828
Arquizan C, 706
Arsava EM, 286, 1944
Asahi M, 2100
Aschoff A, 136, 497, 519, 998, 1167, 1584, 2112
Asdente M, 825
Ashwood T, 122
Asplund K, 1327, 2367
Assanelli D, 664
Atkinson RP, 122
Auer J, 1454
Austin H, 2762
Australian Streptokinase Trial Investigators, 2236
AVM Observer Agreement Study Group, 1501
Axisa B, 2858
Ay H, 286, 1944
Ayala C, 1197

Babacan SS, 479
Babikian VL, 1963
Bae H-J, 2845
Bagg S, 179
Bains JS, 1164
Baird T, 2243
Bairey-Merz CN, 2337
Bak S, 769, 1465, 2263
Baker TA, 782
Bakker D, 87
Balkir K, 712
Ballotta E, 879
Baloh RW, 2807
Bamford J, 2037
Bang NU, 57
Bani P, 664
Bär D, 2304
Baracchini C, 879
Barba R, 1993
Barber P Alan, 2019
Barber Philip A, 279
Barbera MD, 456
Bardach NS, 1851
Bardutzky J, 1899
Bareford D, 238
Barker PB, 2909
Barkhof F, 2827
Barnett HJM, 1651, 1963, 2413
Barone FC, 578
Barrett DM, 1063
Barron M, 1452
Barrow DL, 2536
Barth A, 2347
Bartholomew LK, 160
Bartolucci AA, 2060
Bartus S, 2334
Baruffaldi R, 1782
Bassetti C, 2347
Bates D, 892
Bates JE, 200
Bates JF, 2549, 2557
Bath PMW, 639, 1315, 2548
Baughman VL, 613
Baumgartner RW, 3026
Bautz W, 1522
Bayulkem G, 2224
Bazzano L, 1178, 1183
Beauchamp M, 2992
Beauchamp NJ, 2376, 2909
Becker K, 2156, 2801
Beenen LFM, 1595
Behar S, 245, 2182
Beiser A, 907
Beitzke A, 293
Belayev L, 1077
Beletsky V, 1945
Belgore F, 2187
Bell PRF, 2858
Bellomo G, 1139
Beltramo M, 586
Ben-Shlomo Y, 7
Benade MM, 435, 629
Benavente OR, 1651
Benchenane K, 3019
Bender J, 2206
Benke KS, 1459
Berent R, 1454
Berger C, 519, 2112
Berger K, 2929
Bergmann M, 67
Bergui M, 2735
Berkefeld J, 2348
Berman MF, 283
Bernardi G, 689, 2978
Bernardini GL, 200
Bernier S, 2992
Berrouschot J, 877
Bezafibrate Infarction Prevention Study Group, 245
Bhardwaj A, 641, 1166, 1339
Bhattacharya JJ, 1501
Bianconi A, 1782
Bibl D, 725
Bickel C, 2581
Biondi ML, 2408
Birchall D, 977
Bisschops RHC, 110
Bjelke B, 1405
Bjerrec LM, 1743
Black SE, 1016, 2123, 2642
Blakely J, 1968
Blanc-Lasserre K, 735
Blangero J, 2775
Blankenberg S, 2581
Blann AD, 1237, 2141, 2187
Blaser T, 1057
Blizzard KK, 1101
Block F, 3006
Blomgren K, 2304
Blomstrand C, 224
Bock M, 1416
Bode RK, 1845
Bödeker RH, 1645
Boden-Albala B, 31, 274, 1420, 2587, 2789
Bogousslavsky J, 2025
Boland LL, 1487
Bolay H, 1369, 2349
Bollen ELEM, 1202
Bønaa KH, 321
Bonan IV, 2247
Bond MG, 2923
Bond R, 2658
Bondjers G, 572
Bone I, 2243
Bonev AD, 802
Bonovich DC, 1455
Bootsma-van der Wiel A, 1135
Bordelon CB Jr, 2575
Borden NM, 276
Borowicz L Jr, 2909
Bossuyt PM, 440
Bosworth HB, 236, 1722
Bousser M-G, 2902
Boutelle MG, 2738
Bowden DW, 1876
Bowen A, 2728
Boyko V, 245, 2182
Boysen G, 2155
Brady RO, 525
Brailer J, 1362
Brandt T, 657, 1945, 2192
Bregonzio C, 2297
Brenneman DE, 1085
Breteler MMB, 21, 462, 1179, 2363
Brey RL, 2396
Brilstra EH, 313, 440
Brinker G, 1392
Broadhurst RJ, 1034
Broderick JP, 1190, 1321, 2152, 2631, 2636
Brossmann J, 2600
Brott TG, 2519, 2631, 2636
Brown M, 1605
Brown RC, 1706
Brucher R, 1969, 1975
Brueckmann HJ, 2232
Bruggeman CA, 1249
Bruno A, 57
Brunschwig J-P, 428
Bryan RM Jr, 661
Buchan AM, 279
Buchholz DW, 2396
Buerger T, 1057
Buggle F, 1416, 2570
Buijs PC, 2003
Bundo M, 61
Buonanno FS, 1267
Burchfiel CM, 230
Burgin WS, 160, 1301
Burke GL, 1636
Burnod Y, 1610
Bursztyn M, 2346
Busch M, 1168
Bushnell CD, 948
Busija D, 2704
Buskens E, 313, 2003
Busse O, 2053, 2192
Bussel B, 1610
Bustillo MA, 283
Busto R, 1077
Butcher KS, 1944
Butterworth SE, 2881
Button A, 279
Bynevelt M, 210

Cai ZY, 2485
Caine GJ, 1237
Calabresi P, 2978
Calamante F, 1146
Calvio AM, 825

Campanella M, 586
Campollo J, 2153
Can A, 1369
Candelise L, 2336
Cantisani TA, 218
Caplan D, 2549, 2557
Caplan LR, 954, 988, 1443, 2047, 2066, 2536, 2734
Cárdenas A, 261
Cardiothoracic Anesthesiology Research Endeavors (CARE) Investigators, 537
Carhuapoma JR, 1225
Carlier R, 1610
Carneado J, 717
Carney RM, 5
Carothers J, 1362
Carpenter JP, 1214
Carpenter TA, 1517
Carr J, 1876, 2376
Carroll J, 1362
Carrozzella J, 1190, 1321
Carter R, 1028
Castellano B, 2499
Castellanos M, 982
Castillo J, 982, 2850
Cauraugh JH, 1589
Cavallini A, 1341
Caviness VS, 2549, 2557
Cazalis F, 1610
Celani MG, 218
Celentano E, 2923
Cemillán C, 1993
Centonze D, 2978
Cerbone AM, 51, 1452
Cernetti C, 456
Cervera Á, 1048
Chabriat H, 2902
Chalela JA, 130
Chambers Brian R, 2014, 2082, 2236
Chamorro A, 982, 1048
Chan A, 1947
Chan PH, 809
Chan W, 160
Chan YL, 532
Chandran G, 1063
Chang C, 2985
Chang K-C, 2670
Charria-Ortiz G, 525
Chassin MR, 1458
Chaturvedi S, 1574, 1934, 2762
Chaves C, 2066
Chemtob S, 2992
Chen C-J, 1950
Chen H, 31
Chen R, 1630
Chen S-D, 2471
Chen S-T, 1950
Chen Y, 2047
Chen Z, 1405
Cheng J, 31
Cheung W-M, 2985
Chicoine MR, 2877
Chien K-L, 39
Childhood Stroke Study Group, 1947
Chimowitz MI, 2762
Chin BSP, 1237
Cho Y-W, 2807
Choi KG, 925
Chopp M, 2675, 2839
Chowdhury MH, 1981
Chrissobolis S, 1692
Christensen H, 2155
Christensen K, 769, 1465, 2263
Christou I, 99
Chu KS, 756
Chu W-J, 1243
Chu Y, 2292
Chung NAY, 2187
Chuquet J, 3019
Ciamei M, 2446
Ciardullo AV, 2923
Ciccone A, 2336
Cimino M, 825
Cintas P, 626
Cipolla MJ, 2094
Cirillo Ferdinando, 51
Cirillo Francesca, 2446
Claassen J, 200, 1225, 2154
Claesson L, 122
Clark WM, 493, 2850
Clarke P, 1016
Clarkson TB, 2700
CLASS-I/H/T Investigators, 122
Clatterbuck RE, 2681
Cleeman JI, 2337
Cleveland T, 1169
Cobo E, 2850
Codina A, 1551
Cohen B, 930
Cohen SN, 57, 473
Colantonio A, 1016
Cole-Haskayne A, 279
Colle FMC, 2247
Connelly A, 1146
Connolly ES, 200, 1053, 1225, 2509
Connor MD, 1757
Connors AF Jr, 466
Conrad B, 2459
Conway DSG, 2187
Conway JE, 1748
Cooper LS, 2718
Copeland D, 200
Copen WA, 87
Coppola A, 51, 1452
Coresh J, 1209
Coscojuela P, 1551
Coste J, 706
Cotrufo M, 2446
Coull B, 1934, 2762
Coull S, 685
Counsell C, 1041, 1925
Couper DJ, 13, 1487
Coutts S, 1457
Couture DE, 994
Covey DF, 2485
Cowell RM, 795
Crain BJ, 1101
Craiovan B, 1453
Crivaro A, 2446
Croft JB, 565, 1197
Cross DT III, 2877
Crotty B, 1772
Crump C, 1636
Csiba L, 2402
Cuisenaire O, 2025
Cumming RG, 2417
Cunningham EJ, 2658
Cupini LM, 689
Curb JD, 230
Currie J, 2417
Curry AB, 2094
Cursi M, 1139
Curtis S, 1170
Cusack A, 1214
Członkowska A, 936
Da Giau G, 879
Dacey RG Jr, 844, 1742, 2692, 2877
D'Agostino R, 230, 907
Dahlberg V, 1405
Dake MD, 901
Daley J, 2944
Dalkara T, 1369, 2349
Daly K, 2149
Damasceno BP, 1459
Dambinova SA, 1181
Danton GH, 1113
Darby DG, 2019
Darekar P, 1986
Dávalos A, 982, 2850
Davis LA, 2664
Davis SM, 309, 495, 2019, 2139, 2236, 2522
Davis TP, 1706
Dawson AS, 756
Dawson TM, 1101
Dawson VL, 1101
Day AL, 2485
de Craen AJM, 1135
De Cristóbal J, 261
de Graaf R, 1249
de Greiff A, 1286
de Haan RJ, 1176, 1595
de Jong G, 2072
De Keyser J, 724, 2813
de la Torre JC, 1152, 2148
de Maat MPM, 2750
De Michele M, 2923
De Stefano N, 502
de Stefano V, 51
Debachy B, 702
DeFelice S, 1376
Deka R, 1190
Del Ser T, 1993
Del Zotto E, 664
Delgado C, 1993
Demaerschalk B, 141
Demchuk AM, 160, 279, 1457, 2506
DeMonti M, 2408
Dennis MS, 728, 1041, 2383
Denollet J, 2391
Denzel C, 1522
Derakhshan I, 1749
Derdeyn CP, 2877
Derex L, 153, 735
Desfaits A-C, 421, 850
Desmond DW, 2254
Desmond PM, 2019
Deulofeu R, 1048
Deuschl G, 2600
deVeber G, 1947
DeVries AC, 1660
Dewey HM, 762, 1028, 2888
Dewey ME, 2728
Dhingra A, 160
Di Legge S, 1456
Di Minno G, 51
Di Napoli M, 1763, 2146
Di Piero V, 1170, 1456
Di Tullio MR, 2077, 2587
Diamond SL, 1376
Diaz FG, 2492
Dib M, 2620
Dichgans M, 67, 509
DiCicco M, 2916
Diener H-C, 1286, 2053, 2138, 2813
Dietrich HH, 844, 1742, 2692
Dietrich WD, 428, 1113
Díez Tejedor E, 1740
Dihné M, 3006
Dijkgraaf MGW, 1595
Dijkhuizen RM, 2100
Dillon WP, 1557
Dimitrova A, 1286
Ding Y, 2492
Diomedi M, 689, 1782, 2148
Dion JE, 2536
diPierro CG, 816
Dirnagl U, 1889
Dittrich R, 2211
Djoussé L, 907, 1357
Doerfler A, 617
Domingo J, 1993
Donaldson N, 449, 1741
Donato L, 1163
Donehoo RS, 1197
Donnan GA, 309, 495, 559, 762, 1028, 2014, 2082, 2139, 2236, 2522, 2888
Döring A, 2929
Dowd CF, 675
Dragaševic N, 2109
Dressman LA, 623
Droste DW, 2211, 2402
Du EY, 1225
Du YE, 200
Dubois C, 702
Duckles SP, 600, 1685
Duckwiler G, 95, 717
Dudley TK, 167
Duggal N, 116
Duggirala R, 2775
Dugor JF, 735
Dulberg C, 2376
Duldner J, 2631, 2636
Dulli DA, 890
Dumont AS, 994
Duncan PW, 167, 1840, 2593
Dynan KB, 2351
Dziedzic T, 2334

Earley CJ, 2396
Easton JD, 659, 2546
Eastwood JD, 2834
Eber B, 1454
Eberhart CG, 2681
Eberst K, 2485
Ebrahim S, 7
Eckert B, 1424, 1786, 2421
Eckfeldt JH, 1357
Eckman J, 2664
Edvinsson L, 2311
Effenberger O, 1057
Egger G, 2170
Eguchi D, 782, 1071
Eikelboom BC, 2003
El-Mitwalli A, 99, 1301
Elgersma OEH, 2003
Eliasziw M, 1651, 1963, 2413, 2916
Elkind MS, 31, 1420, 2587
Ellegala DB, 994
Elliott MW, 2037
Elliott TR, 2060
Ellison RC, 907, 1357
Elting J-W, 2813
Elwood P, 7
Emdin M, 1163
Endo S, 1168
Eng JJ, 756
Engelhorn T, 617
Engstad T, 542
Engström G, 2744

Ermert H, 2433
Ernst E, 1744
Ersoy Y, 1630
Eshkar N, 276
Espinola-Klein C, 2581
Esser J, 1286
Etgen T, 2459
European Carotid Surgery Trialists' Collaborative Group, 2658
European Task Force on Age-Related White Matter Changes, 2827
Evans A, 449
Evans DH, 3026
Evans G, 1357
Evatt B, 2762
Evyapan D, 712
Eyding J, 2433
Ezzahiri R, 1249
Ezzeddine MA, 959

Fabricius M, 2738
Fahrner A, 1698
Fairman R, 1214
Falcón-Neri A, 2297
Fanelli G, 1139
Fanucchi S, 1744
Faraci FM, 2292
Farb RI, 1578
Farkas J, 959
Farr TD, 1869
Faulstich A, 1816
Feasby TE, 1458
Federico A, 502
Felberg RA, 160, 1301
Fellner C, 1522
Fellner FA, 1522, 1948
Felszeghy S, 2402
Ferens DM, 2972
Ferguson AV, 1164
Fernandes H, 1455
Fernandez L, 1164
Fernández-Tomé P, 261
Ferrante F, 689, 2148
Ferri R, 525
Feuerstein N, 2163
Feuersteine G, 2163
Feydy A, 1610
Fiebach JB, 2206, 2426, 2438
Fiehler Jens, 79, 1786, 2421, 2438
Field TS, 1751
Finger M, 2433
Fink JN, 290, 954, 988, 2047, 2149
Finsterer J, 2151
Firszt CM, 1557
Fischbein NJ, 1557
Fischer B, 2734
Fisher M, 640, 1927
Fisher WS III, 1856
Fisk J, 1605, 1999
Fitt G, 2236
Fitzsimmons B-F, 283
Flöel A, 878
Foell B, 141
Foley DJ, 26
Fontaine D, 2620
Fontaine R, 1190, 1321
Forbes S, 1034
Forette F, 1834
Forsberg M, 224
Forsting M, 617, 1286
Fortin T, 1107
Foth M, 79
Fournier A, 881, 1164
Fox AJ, 1565, 1651
Fox DJ Jr, 2877
Fraser CG, 1630
Fraser HW, 1630
Frayne R, 279, 1457
Frederiksen SM, 2664
Fredholm BB, 1405
Fredieu A, 95
Freedland KE, 5
Freedman BI, 1876
Freestone B, 1179
Frei KP, 525
Freund M, 2211, 2819
Friday G, 2652
Fridkin M, 1085
Frijns CJM, 2115
Frölich M, 1135
Froment JC, 735
Fuentes B, 1740
Fujita S, 195
Fujiura Y, 2177
Fukui S, 1167, 1178, 1943
Fukunaga R, 1792
Furberg CD, 2376
Furie KL, 1452
Furlan AJ, 1450, 1557
Furuhata H, 1399
Fütterer C, 1889

Gabikian P, 2681
Gabriel MA, 578
Gabrielli M, 1453
Gadian DG, 1146
Gaist D, 769, 1465, 2263
Galasso JM, 795
Galasso R, 2923
Galea E, 613
Galil R, 2916
Gallacher J, 7
Gamillscheg A, 293
Gammans RE Sr, 2801
Garber S, 901
García A, 322
García MM, 982
Garde E, 972
Garrett E, 1209
Gasbarrini A, 1453
Gaspard G, 2077
Gasparotti R, 664
Gass A, 2438
Gates PC, 2413
Gaus CG, 2819
Gautier-Bertrand M, 513
Gebel J, 1190, 1321, 2631, 2636
Genetics and Stroke in the Young Study Group, 2762
Georgiadis D, 136, 497, 519, 877, 998, 1167, 1584, 1899, 2600, 3026
Gerlach R, 1618
German Stroke Data Bank Collaborators, 2053
Gerraty RP, 2019
Gerriets T, 479, 1645
Gervais N, 1712
Gesslein M, 1453
Gevry G, 850
Ghali WA, 1458
Ghilardi G, 2408
Giannesini C, 706
Gidö G, 2311
Giger JN, 2060
Giladi E, 1085
Giles WH, 565
Gilhotra JS, 2417
Gillard JH, 1517
Gilligan AK, 2236
Gillum RF, 1717
Ginsberg MD, 1077
Giuffrida A, 2112
Glader E-L, 1327
GLADIS Study Group, 1341
Gladstone DJ, 2123
Glauche V, 1786
Gnasso A, 2446
Gobeil F Jr, 2992
Gobin YP, 95, 717
Godefroy O, 702, 881, 1164
Goertler M, 1057
Goldbourt U, 245, 743, 2182
Golden M, 1214
Golding EM, 661, 2972
Goldman S, 2163
Goldsher D, 72
Goldstein LB, 948, 1934, 2834
Gómez PA, 2153
González B, 2499
Gonzalez NR, 1120
Gonzalez RG, 87, 959, 2736
Goodall S, 2858
Gorelick PB, 862, 901, 913, 1334
Göring HHH, 2775
Goto S, 1101
Goto T, 844, 1742
Gough K, 95
Gowland PA, 2881
Goyagi T, 1677
Gozes I, 1085
Grabli D, 513
Grady MS, 1376
Graf R, 1383
Graffagnino C, 877
Graham SJ, 2642
Grant JS, 2060
Grant M, 2243
Grassi M, 664
Grau A, 1416, 2192, 2570
Gray WA, 1063
Green HAL, 1517
Greenberg SM, 1195
Greenlund KJ, 565, 1197
Grega MA, 2909
Gregson BA, 1455
Gress DR, 675, 1851
Grigore AM, 537
Grigoriadis N, 1085
Grivé E, 2197
Grocott HP, 537
Groen RJM, 1595
Groenendaal F, 2304
Groff J, 160
Gromadzka G, 936
Grommes C, 3006
Grond-Ginsbach C, 657, 1945, 2192
Grotta JC, 130, 160, 306, 1301, 2506
Grubb RL Jr, 2877
Grundy SM, 2337
Guagnellini E, 2408
Guerrini U, 825
Guichard JP, 2247
Guler K, 876
Gunnett CA, 2292
Gunton RW, 2413
Gurney D, 1237
Gürsoy-Özdemir Y, 1369
Gussekloo J, 1135
Guterman LR, 2781
Guzy PM, 901

Haberl RL, 2053
Hachinski V, 1, 141, 1173, 1651, 1739, 2545, 2731
Hackam DG, 2916
Hacke W, 1416, 1437, 2206, 2426, 2438
Hackett ML, 643
Hademenos G, 2536
Hafner G, 2581
Hagberg H, 2304
Hähnel S, 2206
Haim M, 245, 2182
Hajo van Bockel J, 749
Hak AE, 2750
Hakim AM, 2123
Halbach VV, 675
Haley EC Jr, 466
Halim AX, 675, 1508
Hallas J, 1465
Hallenbeck J, 2156
Hallström B, 1624
Halm E, 1458
Hamann GF, 509, 2232
Hamilton B, 167
Hamilton S, 493, 2801
Hammoud R, 2839
Han L, 1920
Hankey GJ, 128, 1034, 1723
Hannan EL, 1458
Harder DR, 1677, 2957
Hareendran A, 2243
Harraf F, 449, 1741
Harrer JU, 1530
Hart RG, 659, 2722
Hart TK, 578
Hartmann A, 1816
Hartmann M, 2206
Harvey RL, 1845
Hashikawa K, 2217
Hashimoto N, 1911
Hata H, 1803
Hatazawa J, 967
Hattori K, 1660
Hauser T-K, 641
Hausser I, 2192
Havlik RJ, 26
Hayashi M, 297
He J, 1178, 1183
Healey PR, 2417
Heart and Stroke Foundation of Ontario Centre of Excellence in Stroke Recovery, 2123
Hebel JR, 2396
Hedblad B, 2744
Hegedüs K, 2402
Hegele RA, 2769
Heiland S, 1899, 2426
Heindel W, 2819
Heinemann AW, 1845
Heinze G, 2756
Heiss W-D, 1383
Heistad DD, 2292
Heitzman D, 1934
Helenius J, 45
Helmerhorst FM, 1202
Helms GA, 816
Hemmen TM, 1261
Hemphill JC III, 1455
Henderson W, 2944
Henderson Z, 2324
Hennerici M, 2438

Hepburn KE, 756
Hermier M, 735
Herzog J, 67, 509
Herzog M, 2965
Hess DC, 1362
Hesse S, 2895
Hetherington HP, 1243
Heuschmann PU, 1453
Hibbins SJ, 2738
Hickenbottom SL, 160, 2506
Higano S, 1497
Higashida RT, 675, 1557, 2536
Higgins LS, 1905
Higgins MW, 230
Higuchi Y, 2317
Hilger T, 2999
Hill HA, 2762
Hill MD, 279, 1751
Hill WD, 1362
Hillis AE, 2909
Hinn AR, 2718
Hirai Y, 2177
Hirano T, 2236
Hirashima Y, 1168
Hirata K, 642
Ho SSY, 1795
Hobart JC, 1348
Hodges H, 2270
Hoehn M, 1392, 2999
Hoenig H, 167
Hoff JT, 2478, 3012
Hofman A, 21, 462, 1179, 2363, *2750*
Hofmann K, 1057
Hofmann R, 725
Hollander M, 462, 2363
Holman RR, 1776
Hölscher T, 2433
Holtmannspötter M, 67
Holtzman DM, 1905
Homma S, 2077, 2587
Hommel M, 2813
Hong KW, 2687
Hong Y-C, 2165
Hongo K, 844, 1742, 2692
Honig A, 2391
Honnorat J, 153, 735
Hooper WC, 2762
Hopkins LN, 880, 1916, 1949, 2536, 2781
Hopman W, 179
Hoppenreijs VPT, 695
Hopwood SE, 2738
Horenstein RB, 1863
Hori M, 2217
Hori T, 1011
Horiuchi T, 844, 1742, 2692
Horkan C, 988, 2047
Horner RD, 167, 2936, 2944
Hoshi T, 1493, 1792
Hosozawa K-i, 2345
Hossmann K-A, 1392, 2999
Hou X, 2992
Houth J, 1759
Howard G, 473
Howard MA III, 2292
Howard VJ, 473
Hozumi T, 2077
Hsieh C-L, 1022, 2626
Hsu CY, 2471
Hsu H-C, 39
Hsu W-C, 1950
Hsueh I-P, 1022, 2626
Hu W, 279
Hua Y, 2478, 3012
Huang Y-M, 1129
Hubbard LD, 1487
Huber K, 2756
Hudon ME, 279
Hügens-Penzel M, 1645
Huk I, 2756
Hulthe J, 572
Humphries SE, 1420
Hund-Georgiadis M, 878, 1750
Hung E, 913
Hunink MGM, 2003
Hunt JL, 1214
Hunt KJ, 2775
Hunt SC, 1357
Hunter J, 623
Hurn PD, 1101, 1660, 1677
Husson B, 1280
Huston SL, 570
Hutchinson S, 685

Iannuzzi A, 2923
Ibayashi S, 1428
Igase M, 1474
Iglesias del Sol A, 2750
Ikeda K, 2345
Imaizumi M, 2217
Imaizumi T, 2177
Imano H, 2086
Inao S, 61
Ingles JL, 1999
Inoue S-i, 1005
Inoue T, 1428
Insull W Jr, 2575
Inzitari D, 2827
Irace C, 2446
Iruela-Arispe L, 1120
Isaev NK, 1889
Iseda T, 2872
Ishibashi T, 1399
Ishibashi Y, 1005
Ismail A, 977
Iso H, 2086
IST Collaborative Group, 1315
Italian International Stroke Trial (IST) Collaborators, 218
Ito H, 1799
Ito K, 61
Ito T, 2297
Itoh Y, 896
Itoyama Y, 1536, 2032
Iwasaki Y, 2345
Iyer SS, 1169
İyigün I, 2146, 2150
Izumi T, 1671
Izumiyama K, 1536
Izumiyama M, 1536, 2032

Jackson CM, 1261
Jacobs BS, 2789
Jacobs MA, 2839, 2909
Jacobsen BK, 542
Jaeger H, 1308
Jafri M, 238
Jahan R, 95, 717
Jakovljević D, 1448
Jamrozik K, 1034
Janicki C, 421
Janka R, 1522
Jansen O, 2206, 2426, 2438
Janzon L, 2744
Jauch EC, 1190, 1321, 2631, 2636
Jauss M, 479
Jeffries N, 525
Jeng J-S, 1181
Jeong J-H, 925
Joakimsen O, 321
Joh H-D, 1677
Johansen-Berg H, 103
John U, 2929
Johns DC, 1101
Johnson CJ, 2396
Johnston DCC, 2834, 2936
Johnston KC, 466, 913, 1934
Johnston SC, 675, 1455, 1508, 1851, 2536
Jones L, 2858
Jones R, 2738
Jørgensen HS, 1759
Jørgensen L, 542
Jovanovic BD, 2866
Jung D-K, 2807
Junge-Hülsing GJ, 2438
Juo S-HH, 1420
Jüttler E, 2206
Juvela S, 2152

Kabasakal Y, 712
Kabeya R, 61
Kagan A, 230
Kajita Y, 61
Kakisis JD, 1745
Kalra A, 160
Kalra L, 449, 1600, 1741, 1741
Kamath S, 238, 1237
Kammersgaard LP, 1759
Kamouchi M, 1428
Kang SJ, 925
Kapinya KJ, 1889
Kappelle LJ, 110, 695, 1963, 2003, 2115, 2451
Kapral MK, 268
Kaps M, 479, 1645
Kasai T, 297
Kase C, 1557
Kashihara H, 2345
Kasner SE, 130, 1188
Kassell NF, 994
Kaste M, 45, 2813
Kasuya H, 1011
Kato H, 1536, 2032
Kato T, 61
Katoh Harumi, 1005
Katoh Hiroshi, 1943
Katusic ZS, 782, 1071
Kaun C, 2756
Kauppinen RA, 1905
Kawaguchi S, 2009
Kawai M, 2565
Kawano H, 2872
Kay R, 532
Keenan NL, 565, 1197
Keep RF, 2478, 3012
Kelly PJ, 1452
Kelly-Hayes M, 177
Kemmeren JM, 1202
Kemp PJ, 2324
Kennedy DN, 2549, 2557
Kennedy J, 1458
Kerschner K, 725
Keser G, 712
Kessels F, 2072
Kessler C, 2929
Kettunen MI, 1905
Khalapyan T, 1214
Khalili K, 1986
Khan K, 1656
Khangure MS, 210
Khiani R, 2149
Khounteev GA, 1181
Khoury J, 1190, 1321, 2631, 2636
Khurana VG, 782
Kidwell CS, 95, 717
Kiechl S, 2170
Kiessling M, 1093, 1698
Kievit J, 749
Kiliaan AJ, 2750
Kim CD, 2687
Kim CM, 756
Kim D, 1334
Kim DE, 2687, 2845
Kim GW, 809
Kim H, 2165, 2845
Kim KY, 2687
Kim S, 1589
Kim SH, 880, 1949
Kimball KT, 2575
Kimmel SE, 130
Kimura H, 593
Kimura K, 1541, 2014
King M, 160
Kinoshita M, 2345
Kinoshita N, 1493, 1792
Kirchhof K, 2329
Kishibe Y, 1294
Kissela BM, 1190, 1321, 2152
Kita T, 1911
Kitagawa K, 1493, 2217
Kitamura A, 2086
Kitaoka T, 3012
Kitslaar PJEHM, 1249
Kittner SJ, 2396
Kiyosue H, 1803
Kizu O, 1799
Kjærsgaard JO, 1465
Klag MJ, 1209
Klaus J, 1677
Klein BEK, 1487
Klein R, 1487
Klijn CJM, 695, 2451
Klimkowicz A, 2334
Klose U, 1142
Kloska SP, 2819
Kloss CUA, 509
Klotz E, 1786, 2619
Klötzsch C, 1530
Knab R, 79, 2421
Knauth M, 2206, 2426
Knecht S, 878
Koch C, 1424, 1786
Koennecke H-C, 134
Kohara K, 1474
Koike K, 2086
Koistinaho J, 1905
Koistinaho M, 1905
Koizumi H, 2032
Kollár J, 2402
Kollmar R, 1899
Kolominsky-Rabas PL, 1453
Kompetenznetzwerk Schlaganfall Study Group, 2438
Kondo T, 809
Kongable G, 913
Konrad M, 2895
Kopp H, 2581
Kops N, 2304
Korczyn AD, 2343
Koroshetz WJ, 959, 2736
Kostakis AG, 1745
Koster J, 2304
Koster PF, 578
Kostic V, 2109
Kostulas N, 1129
Kostulas V, 1129

Kothari V, 1776
Koudstaal PJ, 21, 1179, 2363
Kovesdi I, 1071
Kraftsik R, 1986
Kraus J, 479
Krause DN, 600, 1685
Kraywinkel K, 2053
Kreisler A, 702
Kreiter KT, 200, 1225
Krejza J, 640
Krieger DW, 130
Krishnan KRR, 1636
Kristensen O, 2263
Kroupa L, 2936
Kubo J, 642
Kubota H, 1799
Kubota T, 1799
Kucinski T, 79, 1786, 2421, 2438
Kudo M, 2086
Küker W, 1142
Kumar S, 954, 988, 2047, 2066
Kume N, 1911
Kumral E, 712, 2224
Kurimoto M, 1168
Kurl S, 1568
Kurth T, 2053
Kurvers HAJM, 1249
Kutluhan S, 876
Kuulasmaa K, 2367
Kwan A-L, 816
Kwon H-J, 2165
Kypta A, 725

Lach B, 116
LaClair BJ, 167
Lagares A, 2153
Lahaie I, 2992
Lai S-M, 1840, 2593, 2652
Lai L-J, 1405
Lakemeier S, 2211
Lakka T, 1568
Lalouschek W, 2548
Lam WWM, 532
Lambert D, 977
Lamireau D, 2992
Lampl C, 3030
Lamy C, 706, 2150
Landis DMD, 1821
Lang Werner, 1522, 1948
Lang Wilfried, 2548
Lange LA, 1876
Langefeld CD, 1876
Lapane KL, 1743
Lapchak PA, 147, 1411, 1665, 2279
Larrue V, 626
Larsson HBW, 972
Lasjaunias P, 1280
Laskowitz DT, 2317, 2950
Lau C, 323
Lau J, 2604
Laukkanen JA, 1568
Launer LJ, 26
Lauritzen M, 2738
Lavallée P, 513
Lavine SD, 2509
Law-Gibson D, 1920
Lawson JT, 2351
Lawton MT, 675, 1851
Lazar RM, 283, 1456
Leary MC, 95
LeBihan D, 2902
Leblanc P, 421
Lebreton FO, 2247
Leclerc M, 702
Lee H, 2807
Lee HS, 2687
Lee JH, 2687
Lee J-M, 2471
Lee J-T, 2165
Lee M-S, 2687
Lee S-H, 2845
Lee S-R, 2807
Lee T-H, 1950
Lee Y-T, 39, 1181
Lees KR, 308, 2813
Leira R, 982
Leisch F, 725
Leker RR, 877, 1085
Lell M, 1522
LeLorier J, 1743
Lenfant C, 2337
Lenzi GL, 1170, 1456
Leonardi-Bee J, 1315
Leonardo G, 2446
Lernfelt B, 224
Leung CHS, 548
Leurgans S, 1334
Lev MH, 959, 2736
Levi CR, 2014, 2082
Levin K, 122
Levin RA, 901
Levine SR, 1934, 2400
Levy RJ, 1376
Lewis MR, 2376
Lewis SC, 1501, 2383
Ley SC, 1510, 2735
Leza JC, 261
Li F, 2985
Li H, 532
Li H-L, 1129
Li J, 2492
Li-Saw-Hee FL, 2187
Liachenko S, 837
Liapis CD, 1745
Lichy C, 1416, 2329
Liebeskind DS, 95, 717
Liebetrau M, 509
Lille Stroke Program, 702
Lim J-G, 2807
Lima J, 930
Lin I-F, 2789
Lin M-T, 790
Lin R-S, 39
Lin T-N, 2985
Lin Y-H, 2670
Lincoln NB, 2728
Lind P, 2744
Linde R, 251
Lindgärde F, 2744
Lindgren A, 1624
Linfante I, 954, 988, 2047, 2066
Ling GSF, 525
Link H, 1129
Liou C-W, 2670
Lip GYH, 238, 323, 1179, 1237, 2141, 2187
Lisboa RC, 2866
Litrico S, 2620
Liu H-G, 1243
Liu M-L, 1255
Liu R, 2485
Liu Y, 1077
Lizasoain I, 261
Llinas RH, 2066
Lo EH, 831, 1882, 2100, 2711
Lo KM, 728
Lobato RD, 2153
Lodder J, 2072
Loftus IM, 2858
Loher T, 1828
Lohmann T, 2916
Londero H, 1308
Longstreth WT Jr, 2376, 2465, *2801*
Lonjon M, 2620
López S, 2850
Lorbacher de Ruiz H, 2329
Lorenzo P, 261
Loria C, 1183
Loscalzo J, 1459
Lousberg R, 2391
Lövblad K-O, 2204
Lovell L, 1845
Löwl D, 1889
Lozano R, 2850
Lozier AP, 2509
Lu M, 2675, 2839
Lu Y, 1557
Luedemann J, 2929
Lund DD, 2292
Lüttgen N, 2192
Lutzenburg M, 3006
Lyden P, 122, 639, 1261
Lylyk P, 1308
Lynch JR, 2950

Macdonell kAL, 762, 1028, 2888
Mackensen GB, 537
MacKenzie ET, 606, 3019
Macko RF, 2396
Maclean N, 444
MacWalter RS, 1630
Madden KP, 493
Mader I, 1142
Madonna P, 51, 1452
Madsen PL, 251
Maeder P, 2025
Maggi E, 1139
Magoni M, 664
Mahdavieh H, 1120
Mähönen M, 2367
Maier MA, 1610
Majumdar SR, 1656
Makino M, 1799
Makris N, 2549, 2557
Malarcher AM, 1197
Mali WPTM, 110, 2003
Malinow MR, 473
Malkoff M, 99
Malmsjö M, 2311
Mamdani M, 268
Mandelzweig L, 245
Mangin J-F, 2902
Manley GT, 1455
Manley SE, 1776
Manolio TA, 2376
Mansbach HH III, 57
Mansmann U, 2570
Mao H-F, 1022
Marco P, 322
Mariak Z, 640
Marinkovic J, 2109
Markus R, 2236
Marler JR, 311
Marquardt L, 2570
Marrelli SP, 661, 2285, 2972
Marshall RS, 283, 1456
Marshall V, 1016
Marstrand JR, 972
Martín AB, 2978
Martin S, 1420
Martin-Studdard A, 1362
Marín F, 322
Mas JL, 706, 2150
Masaki K, 26
Mason GF, 1243
Mast H, 1053, 1816
Masuda T, 1671
Masuhr F, 1168
Matchar DB, 2944
Matetzky S, 2182
Mathew J, 537
Mathias K, 1308
Mathiesen EB, 321
Matsumoto M, 1493, 2217
Matsumura N, 1168
Matsunaga A, 1671
Matsuo R, 1428
Matsuoka H, 2177
Matsushita M, 896
Matsuyama N, 1671
Matthews PM, 103, 502
Mattle HP, 1828
Matz PG, 208
Maurer G, 2756
Maurer M, 1889
May M, 7
Mayberg MR, 2658
Mayer H, 2570
Mayer SA, 200, 877, 1225, 2154
Mayer TE, 2232
Mayr M, 2170
Mazouz H, 1164
McAlister FA, 243
McAuley DL, 290, 2149
McAuliffe W, 210
McCaffrey DF, 901
McCarron P, 7
McCarron R, 2156
McCollum C, 685, 2149
McConnell JP, 57
McCulloch CE, 675
McDonald CT, 959
McDowall M, 728, 1041
McGinnis G, 486
McGirt MJ, 2317, 2950
McGlasson DL, 2396
McIlroy SP, 2351
McIlroy WE, 2642
McIntyre L, 2936
McKevitt F, 1169
McKhann GM, 2909
McMeekin W, 977
McNeil JJ, 559, 762, 1028
McNeill AM, 1685
McVey M, 578
Mead GE, 2383
Meder JF, 706
Meguro T, 593
Mehrholz J, 553
Mehta Z, 2658
Meistrowitz A, 1286
Mekori YA, 2182
Melbourn A, 1600
Mellerup E, 1465
Mellström D, 224
Mendelow AD, 977, 1455
Mendiz OA, 1308
Menon AG, 1190
Mensah GA, 565, 1197
Meraviglia MV, 1139
Mercadal J, 2850
Merino JG, 141, 2261
Merry H, 1605
Meschia JF, 1934, 2770
Mess WH, 1249
Metreweli C, 1795
Meuli R, 2025

Meurin FA, 2247
Meves SH, 2433
Meyer BC, 1261
Meyer J, 2581
Meyer JS, 1981
Meyer M, 2206
Micieli G, 1341
Mihalopoulos C, 1028
Miki T, 1474
Mikkola TS, 2700
Miklossy J, 1986
Milei J, 1308
Milner R, 1214
Minematsu K, 1541
Minicucci F, 1139
Mintz PD, 994
Mirski MA, 641, 1166
Mitchell ME, 1214
Mitchell P, 2417
Mitsias P, 2762, 2839
Miyake Y, 2077
Miyamoto S, 1911
Mizoguchi A, 1911
Mizusawa H, 896
Möbius H-J, 1834
Módis L, 2402
Modo M, 2270
Moeller M, 2211
Mohammad Y, 2781
Mohammed A, 238
Mohler ER III, 1214
Mohr JP, 283, 1053, 1456, 1816
Molina CA, 1551, 2197
Molinaro G, 1712
Molko N, 2902
Molyneux A, 2536
Mongin AA, 2348
Montaner J, 1551, 2197
Montanera W, 920, 1220
Montinaro E, 2549, 2557
Moomaw C, 1190, 1321, 2152
Moonis M, 1927
Moore CG, 1334
Moore DF, 525
Morahan MB, 1660
Moran CJ, 2877
Moran K, 1348
Moratalla R, 2978
Morel F, 421
Morgenstern LB, 130, 160, 1934, 2506, 2801
Mori H, 1803
Mori S, 1101
Mori T, 1882, 2711
Morimoto M, 1911
Morin M-d-M, 1993
Moro MÁ, 261
Moroney JT, 2254
Morrisett JD, 1174, 2575
Morrish W, 279
Mortensen EL, 972
Mortilla M, 502
Mosca L, 1863
Mosley TH, 1487
Motyl M, 2334
Mountokalakis TD, 1480, 2346
Mountz JM, 1243
Mouradian MS, 1656
Mugikura S, 1497
Muir KW, 1545, 2243, 2732
Muizelaar JP, 78
Muntner P, 1209
Murakami Y, 1005, 1943
Murayama Y, 1120
Murri L, 1744
Mustafa S, 256
Muyskens S, 613
Myers L, 1183
Myers RH, 1357
Myhr K-M, 2105

Na DL, 925
Nabavi DG, 2819
Nadareishvili Z, 1945
Naess H, 2105
Nagai Y, 1493
Nagatomi H, 1803
Naito Y, 2086
Nakamura A, 61
Nakamura H, 1799
Nakamura K, 1005
Nakano S, 2872
Nakayama H, 1759
Nallet H, 606, 1077
Nam E-M, 2819
Napoli C, 2864
Nathan DJ, 802
Nawashiro H, 1167, 1178, 1943
Naylor AR, 2858
Nedeltchev K, 1828
Nederkoorn PJ, 2003
Negrini R, 664
Neil HA, 1776
Nelles G, 1286
Nelson MT, 802
Neschis D, 1214
Neumann-Haefelin C, 1392
Neundoerfer B, 1453
Neurologic Outcome Research Group (NORG), 537
New G, 1169
Newcommon NJ, 279
Newman GC, 473
Newman MF, 537
Newton J, 2881
Ng HK, 548
Ng K, 122
Ng P, 210
Nguyen T, 2834
Nichols DA, 1809
Nicolay K, 2304
Niessen F, 2999
Niessner A, 2756
Nieto FJ, 13, 1487
Nighoghossian N, 153, 735
Nijhuis RLG, 2750
Nishimura T, 87, 1799, 2217
Njajou OT, 2363
Noor R, 3033
Norris JW, 1945
Norrving B, 1624
North American Symptomatic Carotid Endarterectomy Trial Group, 1651, 2413
Noshita N, 809
Nowak-Göttl U, 1947
Noyaner A, 876
Noël B, 1747
Nukata M, 1493, 1792
Nuotio I, 1255
Nuyt AM, 2992
Nydevik I, 2357
Nyland G, 2105
Nyland HI, 2105
Nyyssönen K, 1568

Obach V, 1048
Oberhollenzer F, 2170
O'Brien T, 782, 1071
Obuchi S, 1671
Oddone EZ, 2936, 2944
Odergren T, 122
Oehler J, 2206
Ogane K, 941
Ogasawara K, 1857
Ogawa A, 1857
Ogden LG, 1183
Ogston SA, 1630
Ohata S, 1005
Ohkuma H, 195, 941
Ohlstein EH, 578
Ohno H, 2345
Ohta Y, 1005
Ohtsuki T, 2217
Oiwa K, 297
Okada Yasushi, 1428
Okada Yoshikazu, 1011
Okahara M, 1803
Okamura T, 2086
Okazawa H, 1294
Okeda R, 2565
Okon NJ, 1301
Oku N, 2217
Okudera T, 967
O'Leary D, 2376, 2775
Oliveira-Filho J, 959
Olofsson S-O, 572
Olsen TS, 1759
Onda H, 1011
Onoue H, 1399
Onur R, 1369
Oppenheimer S, 680, 930
Oprisiu R, 881
Or KKH, 2604
Orefice G, 51
Orgogozo J-M, 1834
Origasa H, 1168
Orlandi G, 1744
Osborne RH, 2888
Ospina JA, 600
Østergaard L, 87
Otani N, 1167, 1178, 1943
Otomo E, 896
Oudkerk M, 21, 462
Oury TD, 2317
Ovadia H, 877, 1085
Oyar O, 876
Ozasa K, 297
Ozmen S, 876

Padovani A, 664
Pakola S, 2279
Pal N, 1501
Palacio S, 2722
Palkovic S, 2734
Pan JW, 1243
Pancioli A, 1190, 1321, 2664
Panico S, 2923
Pantoni L, 2827
Paoletti R, 825
Paolicchi A, 1163
Papa F, 1763, 2146
Papamitsakis NIH, 2839
Pappas BA, 1107
Pappata S, 2902
Paquis P, 2620
Paras VH, 1821
Parent AD, 775
Parker RA, 2066
Parkin MC, 2738
Parodi J, 1308
Parra A, 2317, 2950
Parsons AA, 578
Parsons MW, 1944, 2019
Pascotto P, 456
Pasnoor M, 2839
Pasqualetti P, 689
Pasquetto G, 456
Passino C, 1163
Passmore AP, 2351
Pasternak RC, 2337
Patel S, 2270
Patel SC, 2839
Patent Foramen Ovale and Atrial Septal Aneurysm Study Group, 706
Patterson CC, 2351
Paulson OB, 251
Peacock JM, 1357
Pearce LA, 1963, 2722
Pearlstein RD, 2317, 2950
Pearson HA, 2324
Peck KK, 2881
Peers C, 2324
Peery S, 200
Peeters-Scholte C, 2304
Pelligrino DA, 613, 2950
Peña A, 1517
Penar PL, 802
Pendlebury S, 103
Perchaud V, 513
Perera S, 1840, 2593
Perez E, 2485
Perez G, 802
Perez I, 1600
Peters AM, 2881
Peters N, 67
Pezzini A, 664
Phadke RV, 2794
Phatouros CC, 210
Philippeau F, 735
Phillips SJ, 1315, 2548
Phillips-Bute B, 537
Phillis JW, 2492
Pickard JD, 1517
Piek M, 2929
Pierot L, 1610
Pile-Spellman J, 1053, 1816
Pillekamp F, 1392
Pinard E, 606, 1077
Pineiro R, 103
Piomelli D, 2112
Piriyawat P, 130
Pisani A, 2148
Pittman J, 1420
Placidi F, 1782
Plant LD, 2324
Pliarchopoulou KM, 1480
Poewe W, 2170
Pohl M, 553
Poitras MF, 1101
Pola P, 1453
Pollo B, 825
Pombo AP, 179
Pompella A, 1163
Poncha F, 141
Poole KES, 1432
Poon WS, 548
Popa V, 2402
Popovic EA, 2794
Popp AJ, 1458
Popper J, 230
Poppert H, 2459
Porter PJ, 920, 1220
Post PN, 749
Postert T, 2433
Pound P, 444
Poupon F, 2902
Pracucci G, 2827
Prado R, 428, 1113

Prager M, 2756
Prellwitz W, 2581
Price CJ, 1517
Price TR, 2396
Prokai L, 2485
Prokai-Tatrai K, 2485
Province MA, 1357
Purdy R, 1665
Puskar M, 2704

Quach M, 1981
Quaglini S, 1341
Quan H, 1458
Quilliam BJ, 1743
Qureshi AI, 880, 1916, 1949, 2781

Raabe A, 1618
Rabbani LE, 31
Rabinstein AA, 1809
Rafael H, 1180
Rafols JA, 2492
Rai M, 1792
Rajapakse N, 2704
Rajput A, 122
RANTTAS Investigators, 466
Rastenyte D, 2367
Rathore SS, 2718
Raymond J, 421, 850
Razumovsky AY, 641
Read S, 2236
Rector TS, 901
Reddy H, 502
Reding M, 1920
Reef H, 2794
Reeve J, 1432
Rehak P, 293
Reichhart M, 2025
Reimers B, 456
Reisman M, 1063
Reith J, 1759
Reith W, 617
Reker DM, 167, 2593
Remonda L, 1828
Renzulli A, 2446
Reshef T, 2182
Restrepo L, 2909
Reves JG, 537
Revilla M, 1048
Ribourtoutc E, 850
Ricci S, 218
Rich KM, 2877
Rich SS, 1876
Richardson D, 913
Riding G, 685
Ridker PM, 892, 2141
Rigaud A-S, 1834
Righetti E, 218
Riley WA, 1876
Ring P, 972
Ringelstein EB, 2211, 2402, 2819
Ringleb PA, 1437
Rinkel GJE, 313, 440, 2043
Rishu P, 2217
Ristic A, 2109
Ritschel C, 553
Ritter M, 2211
Riyamongkol P, 1077
Rizzato B, 689, 1782, 2148
Roberts HC, 1557
Robins G, 2704
Robinson JV, 283
Roby-Brami A, 1610
Rockwood K, 1605, 1999
Rodesch G, 1280
Rodriguez BL, 230
Rodríguez LAG, 1465
Roether J, 1424
Roh J-K, 2845
Roldán V, 322
Romano J, 1085
Romero F, 1551
Roorda S, 421
Roos YBWEM, 1595
Röper C, 3030
Rordorf G, 959
Rosa A, 881
Rosamond WD, 2718
Rosand J, 1195
Rosen BR, 87, 2100
Rosenbaum S, 972
Rosenblum WI, 1742
Rosendaal FR, 1202
Rosenwasser RH, 1165, 2536
Ross GW, 230
Rostrup E, 972
Roth EJ, 1845
Röther J, 79, 1786, 2421, 2438
Rothwell PM, 2658
Roubin GS, 1169, 2520
Roussel S, 606, 3019
Roussias LG, 1480
Rovira À, 2197
Rowley HA, 1557
Royall DR, 2147
Rubba P, 2923
Rubenach SE, 643
Rückriem S, 553
Rudd A, 444
Ruetzler C, 2156
Ruf A, 2570
Ruhr Center of Competence for Medical Engineering, 2433
Ruigrok YM, 2043
Ruland S, 1334
Rundek T, 31, 1420
Rungby JA, 1759
Rupprecht H-J, 2581
Russell D, 1969, 1975
Ryckborst K, 279

Saad Mohamed, 99
Saad Mustafa, 1916
Saavedra JM, 2297
Sabounjian LA, 2801
Saccà S, 456
Sacchetti L, 2923
Sacco RL, 31, 274, 1420, 2077, 2789
Sagara Y, 1803
Sagduyu A, 2224
Saginoya T, 1803
Sahin NT, 2549, 2557
Sakaki T, 2009
Sakane T, 1005
Sakurai Y, 1497
Salazar-Grueso E, 122
Salazkin I, 421, 850
Saldin K, 160
Salisbury S, 2631, 2636
Salonen JT, 1255, 1568
Salonen O, 45
Salonen R, 1255
Samsa G, 167, 2944
San Pedro EC, 1243
Sánchez B, 322
Sander D, 2459
Sandercock P, 1315, 1925, 2548
Sanford CP, 13
Sano M, 2254
Santhakumar S, 2839
Santillan C, 1821
Santizo RA, 613
Sara Y, 1369
Saribaş O, 286, 1944
Sartor K, 2206, 2329, 2426, 2438
Sartucci F, 1744
Sasaki K, 593
Sasaki T, 1493
Sato K, 1671
Sato S, 2086
Satoh A, 2177
Satoh M, 775
Sauerbeck L, 1190, 1321, 2152, 2631, 2636
Saulle E, 2978
Saundry CM, 802
Sauvageau E, 850
Saver JL, 95, 717, 1934
Saw S-M, 1956
Sawada M, 1101
Sayer B, 26
Sayre J, 717
Scaramucci A, 907
Schäbitz WR, 519, 1899, 2112
Schallert T, 2478
Schellinger PD, 877, 1437, 1899, 2206, 2426, 2438
Scherer EQ, 2965
Schiffmann R, 525
Schlaug G, 954, 988, 2047, 2066
Schlumberger W, 2581
Schmalbruch IK, 251
Schmid G, 2433
Schmidt C, 572
Schmidt R, 2827
Schminke U, 2929
Schneck M, 1334
Schnippering H, 2192
Schnyder P, 2025
Schoder V, 2438
Schoenberg SO, 1416
Schönholz C, 1308
Schöning M, 1142
Schramm P, 2206, 2426
Schranz C, 1437
Schroth G, 1828
Schuchlenz HW, 293
Schuler M, 2570
Schulte-Altedorneburg G, 2402
Schulz GA, 1557
Schulz UGR, 2243
Schumacher HC, 1053, 1816
Schurink G-WH, 1249
Schwab S, 136, 497, 519, 877, 998, 1167, 1584, 1899, 2112, 3026
Schwamm L, 959, 2549, 2557, 2736
Schwaninger M, 2112
Schwarz S, 136, 497, 998, 1167, 1584, 3026
Sciacca R, 1053, 1816, 2077, 2587
Sciorati C, 586
Scoll B, 1214
Scorza R, 2408
Scotland RS, 1071
Scott PA, 2664
Sébire G, 1280
Secades JJ, 2850
Sedat J, 2620
Segal AZ, 959
Seifert V, 1618
Seiger Å, 2357
Selim M, 954, 988, 2047, 2066
Sellar RJ, 1501
Selman WR, 1821
Sen S, 276, 930
Senthilselvan A, 1656
Serena J, 982
Sessa WC, 1071
Sevick R, 279, 1457
Seylaz J, 606, 1077
Shah J, 283
Sharrett AR, 1487
Sheikh K, 321
Sheng H, 2317, 2950
Sherman D, 2850
Sherwin R, 2396
Sheu C-F, 1022, 2626
Shiba Y, 1671
Shik V, 72
Shima K, 1167, 1178, 1943
Shimada T, 1005, 1943
Shimamoto T, 2086
Shimizu H, 1005, 1943
Shimizu K, 2704
Shimizu S, 1671
Shimohama T, 1671
Shimosegawa E, 967
Shirane R, 1497
Shotan A, 245
Shreiber R, 72
Shuaib A, 122, 1656, 3033
Shukla R, 1190, 1321, 2152
Siddique MS, 1455
Sides EG, 473
Siebler M, 2438
Siegemund A, 1618
Sikinger M, 2329
Sila CA, 2762
Silbershatz H, 230
Silver B, 141, 954
Silverstein FS, 795
Silvestrini M, 689, 1782
Simoni DM, 2575
Simoni M, 2827
Simpkins JW, 2485
Sindrup SH, 769, 2263
Singh V, 675
Singhal AB, 1267
Siqueira LH, 1459
Sirin H, 2224
Sironi L, 825
Sitzer M, 2348
Sivenius J, 1568
Sketris I, 1605
Skoromets AA, 1181
Skytthe A, 769
Sloan MA, 1746, 2396
Sloss EM, 901
Slowik A, 2334
Smith DE, 1863
Smith GD, 7
Smith LA, 782
Smith PK, 537
Smith SC Jr, 2337
Sobey CG, 1692
Sodeyama N, 896
Sohn C-H, 2807
Sohn S-I, 2807
Soinne L, 45
Solenski NJ, 816
Solomon RA, 2509
Soltanian-Zadeh H, 2839
Sommer C, 1093, 1698
Song C, 1376
Song D, 147, 1411, 1665, 2279

Song JK, 1120
Sopher L, 279
Sorensen AG, 87
Soustiel JF, 72, 1747
Southwestern Ontario Stroke Program, 141
Spatz M, 2156
Spedding M, 324
Speidl WS, 2756
Spence JD, 2916
Spilker J, 2631, 2636
Spizzichino L, 218
Srikanth V, 2236
St Clair RW, 2700
Stability of Plasma Homocyst(e)ine in Acute Stroke Patients (SHASP) Study Investigators, 473
Staines WR, 2642
Stallworth CL, 2396
Stanczyk FZ, 1685
Stanisavljevic D, 2109
Stansfeld S, 7
Stapf C, 1053, 1816
Starkman S, 95, 717, 1934
Staub L, 160
Stavenow L, 2744
Stechuchak K, 2936
Stefani MA, 920, 1220
Steffens DC, 1636
Stegmayr B, 1327
Stein J-I, 293
Steiner HH, 2192
Steiner T, 519
Steinke W, 1510, 2735
Steinwender C, 725
Stenman E, 2311
Stepper F, 1828
Stergiou GS, 1480, 2346
Stern BJ, 2396
Stern MP, 2775
Stern Y, 200, 2254
Stevens RJ, 1776
Stevens WD, 1107
Stewart G, 1630
Stöffler A, 1834
Stöllberger C, 2151
Stolz E, 479, 1645
Stork JL, 2014, 2082
Sträter R, 1947
Stratton IM, 1776
Straubel J, 1986
Streifler JY, 1651
Stroemer RP, 2270
Strong AJ, 2738
Studenski S, 1840, 2593
Study Group of the Association of Cerebrovascular Disease, 941
Sturm JW, 762, 2888
Sturzenegger M, 1828
Stypmann J, 2211
Su T-C, 39, 1181
Suarez JI, 1821, 1916
Sugamori T, 1005
Sugimoto K, 1294
Sugimoto T, 61
Sugioka K, 2077
Sugo N, 1101, 1660
Suh YS, 2687
Sulch D, 1600
Sulter GA, 2813
Sumii T, 831, 1882, 2711
Sun S-W, 2985
Sunbulli M, 1574
Sunderland A, 2881
Sung F-C, 39, 1181
Sunshine JL, 1821
Sunthorn T, 1986
Suri MFK, 880, 1916, 1949, 2781
Suter O-C, 1986
Suzuki S, 195, 941
Synetos AG, 1480
Szabo K, 2438
Szaflarski JP, 1190
Szczudlik A, 2334
Sze FK-H, 186, 1744, 2604
Szklo M, 1487

Tabara Y, 1474
Tadokoro M, 61
Taguchi A, 1493, 1792
Takagi K, 2154
Takahashi A, 1536, 2032
Takahashi M, 1294
Takahashi N, 1005
Takahashi S, 1497
Takasawa M, 1493, 2217
Takashima S, 1168
Takeda H, 2156
Takeshita M, 1011
Tamargo RJ, 1748, 2681
Tamayo A, 141
Tamura H, 967
Tamura M, 2345
Tan KH, 323
Tan NC-K, 1956
Tan T-Y, 2670
Tanaka H, 642
Tanaka O, 1799
Tanenbaum LN, 276
Tang E, 2270
Tang P, 837
Tang P-F, 1022
Tanis BC, 1202
Tanne D, 245, 743, 2182
Tardieu M, 1280
Tarnacka B, 936
Tarozzo G, 586
Tarr RW, 1821
Taskinen M-R, 1255
Tateshima S, 1120
Tatlisumak T, 45, 2144, 2736
Tavor Y, 72
Taylor J, 2936
Teelken AW, 2813
Teichner A, 1085
Teratani T, 2217
terBrugge KG, 920, 1220, 1233, 1578
Terént A, 2357
Terrón JA, 2297
Thiene G, 456
Thies T, 2433
Thiran J-P, 2025
Thomalla G, 1424
Thomas J, 31
Thomas JE, 486, 1165
Thomassen L, 2105
Thompson AJ, 1348
Thompson MM, 2858
Thornby J, 1981
Thrift AG, 37, 559, 762, 1028, 2888
Thulesius O, 256
Tierney TS, 2681
Tietjen GE, 57
Tilley BC, 640
Tilling K, 1741
Tirschwell DL, 2465, 2801
Titova I, 2077
Tjia HT-L, 1956
Todo K, 1792
Tölle F, 1618
Tolonen H, 2367
Tomsick TA, 2631, 2636
Tong DD, 1827
Toole JF, 473
Toomey JR, 578
Topcuoglu MA, 1267
Torbey MT, 641
Tordoir JHM, 1249
Toth C, 670
Toutain J, 3019
Touzani O, 3019
Toyoshima H, 967
Toyota S, 1383
Tranmer BI, 802
Traon APL, 626
Traystman RJ, 1101, 1660, 1677
Treig T, 2895
Tremoli E, 825
Tress BM, 2019
Trimmer PA, 816
Trouillas P, 153, 735
Trystram D, 706
Tsang W, 2675
Tseng M-C, 2670
Tsiropoulos I, 1465
Tsuzuki N, 1167, 1178
Tu JV, 268
Tuhrim S, 2400
Tulleken CAF, 695, 2451
Tuomainen TP, 1568
Tuomilehto J, 1448, 2367
Türel Z, 2756
Turkington PM, 2037
Turner R, 1063
Turri O, 2408
Tyler BM, 2681
Tyler D, 2593
Tyroler HA, 13, 2718

Uchino M, 1541
UCSF BAVM Study Project, 675
Uddman E, 2311
Uhlenküken U, 1392
UK Prospective Diabetes Study Group, 1776
Ulatowski JA, 641
Umemura U, 2086
Unwin DH, 1170
Uranishi R, 2009

Vainas T, 1249
Valente M, 456
Valentino M, 1383
Valocik RE, 578
van Baalen JM, 749
van Bel F, 2304
van Buul-Offers S, 2304
Van Cauteren M, 1799
van den Bosch MAAJ, 1202
van den Hout WB, 749
van den Tweel E, 2304
van der Graaf Y, 1202, 2003
van der Grond J, 110
van der Kuip DAM, 462, 2750
van der Lugt A, 2003
van der Meer IM, 2750
van der Schaaf IC, 313, 440, 2043
van der Zwan A, 2451
van Dijk JMC, 1233, 1578
van Duijn CM, 2363
van Exel E, 1135
van Gijn J, 319, 440, 695, 2043, 2451
van Schooneveld MJ, 695
Vandal AC, 643
Vanuzzo D, 2367
Varma DR, 2992
Vascular Cognitive Impairment Investigators of the Canadian Study of Health and Aging, 1605
Väterlein O, 1786
Veldhuis W, 2304
Veloso A, 428
Veltkamp R, 2704
Vemmos Konstantinos N, 2346
Vemmos Kostas N, 1480
Venketasubramanian N, 1956
Verhey F, 2391
Vermeer SE, 21, 1179
Vermeulen M, 1595
Vernieri F, 689
Verro P, 276
Versavel M, 2813
Vespa P, 95, 717
Vicaut E, 2247
Vick GW III, 2575
Vickrey BG, 901
Victor A, 2581
Vignolo LA, 664
Villa Pini Stroke Data Bank Investigators, 1763
Villablanca JP, 95, 717
Villar-Cordova CE, 130
Villringer A, 2438
Vinuela F, 95, 717, 1120, 2536
Vitek JJ, 1169
Vliegenthart R, 462, 2346
Voetsch B, 1459
Volkmann R, 224
Voll C, 670
von Bezold M, 79, 2421
von Cramon DY, 878, 1750
von Frankenberg S, 2895
von Kummer R, 617, 1446, 1748, 1946
Von Langsdorf D, 2620
Vupputuri S, 1183

Wagenknecht LE, 1876
Wagner DP, 466
Wagner M, 2053
Wakisaka S, 2872
Walker LJ, 977
Walker-Batson D, 1170
Wallace MC, 920, 1220, 1233, 1578
Wallesch C-W, 1057
Walz E, 2762
Wang C-H, 2626
Wang CX, 3033
Wang H, 268
Wang X, 1882, 2711
Wang Y, 2675
Wangemann P, 2965
Wanklyn P, 2037
Warach S, 2850
Warburton EA, 1432, 1517
Ward A, 2936
Wardlaw JM, 2383
Warlow CP, 435, 629, 1041, 1501, 2137, 2658
Warner DS, 2317, 2950
Waschke KF, 1889

Wassmann H, 2734
Watanabe M, 1493, 1792
Watson BD, 428, 1113
Weaver M, 2060
Weber J, 1286
Weber R, 2192
Weber S, 2600
Weber T, 1454
Weber UJ, 1759
Wechsler L, 122, 1557, 2762
Wehinger C, 2151
Wei J, 1411, 1665, 2279
Weibel T, 525
Weihs W, 293
Weiler D, 1071
Weiller C, 79, 2438
Weimar C, 2053
Wein TH, 130, 160, 2506
Weisskoff RM, 87
Wellman GC, 802
Welzel T, 2329
Weng H-H, 2670
Wentzel C, 1999
Werner C, 2895
Werner I, 2192
Werner P, 2170
West T, 728
Westendorp RGJ, 1135
Whelton PK, 1183
Whishaw IQ, 1869
White HJ Jr, 1063
White L, 26
Whitlow PL, 1308
Whitman GT, 1274
Whittle J, 2936
WHO MONICA Project, 2367
Wichter T, 2211
Wickstrom SL, 901
Widman G, 1286
Wieloch T, 2311
Wiklund O, 572
Wikstrand J, 572
Wilde P, 2206
Wilkening W, 2433
Willeit J, 2170
Williams E, 323
Williams JE, 13
Williams JT, 2775
Williams LS, 1348, 1934
Williams MA, 641
Willich SN, 2929
Willinsky RA, 920, 1220, 1233, 1578
Wilms H, 2600
Wilson CB, 2536
Wilson JTL, 2243
Wilterdink JL, 1934, 2762
Winbeck K, 2459
Winter R, 2570
Wintermark M, 2025
Witte OW, 3006
Witteman JCM, 462, 2346, 2363, 2750
Wittkugel O, 2421
Wityk RJ, 680, 2396, 2762, 2909
Wojciechowski F, 2391
Wojta J, 2756
Wolf PA, 230, 907
Wolfe C, 444, 1741
Wolfe M, 1214
Women's Pooling Project Investigators, 1863
Wong Edward, 141
Wong Eric, 186, 2604
Wong GKC, 548
Wong KS, 532
Wong KYK, 1630
Wong SYS, 1630
Wong TY, 1487
Woo D, 1190, 1321, 2152
Woo J, 186, 2604
Worrall BB, 913
Wozniak MA, 2396
Wu J, 2478
Wu O, 87, 2100
Wu SS, 2485
Wulu JT Jr, 1772
Wüst AFJ, 2003
Wutke R, 1522

Xi G, 2478, 3012
Xiao B-G, 1129
Xu G, 1981
Xu H, 795
Xu H-L, 613
Xu J, 2471
Xu Q, 2170
Xu Y, 837
Xue R, 1101

Yagi K, 87
Yamada K, 87, 1799
Yamada M, 896
Yamada S, 1497
Yamaguchi T, 1541
Yamakawa H, 2297
Yamamoto S, 1792
Yamamoto S-i, 1671
Yamamoto Y, 297, 1474
Yamashita M, 1803
Yamauchi H, 1294
Yang C-Y, 790
Yang S-H, 2485
Yang T, 3033
Yano K, 230
Yarnell J, 7
Yatsu FM, 1174
Yazdi K, 3030
Yelnik AP, 2247
Yesildag A, 876
Yi KD, 2485
Yi S-D, 2807
Yi X, 186
Yin K-j, 2471
Ylitalo K, 1255
Yonas H, 1946
Yonemura K, 1541
Yoneyama T, 2872
Yoon B-W, 2845
Yoon SJ, 925
Yoshida J, 61
Yoshikawa T, 2217
Yoshimine T, 1383
Yoshimoto T, 1857
You J, 661
Young WL, 283, 675, 1508
Yousry TA, 67
Yu CH, 1795
Yu LM, 548
Yuen S, 1799
Yunten N, 2224

Zaidat OO, 1821, 1916
Zanferrari C, 680
Zarrilli F, 2923
Zee RYL, 892
Zeumer H, 79, 1424, 1786, 2421, 2438
Zhang Chenyang, 2957
Zhang Chunying, 1685
Zhang JH, 593, 775
Zhang Li, 2675
Zhang Lijie, 2675
Zhang R, 2675
Zhang Z, 2675
Zhao S, 1851
Zhao W, 1077
Zhu C, 2304
Ziai WC, 1166
Zimmermann M, 1618
Zivin JA, 147, 1411, 1665, 2279
Zorn G, 2756
Zoubaa S, 2329
Zuber M, 706
Zunker P, 2600

Subject Index

Volume 33, January–December 2002

A

Abciximab
- *Abciximab Bolus Injection Does Not Reduce Cerebral Ischemic* Complications of Elective Carotid Artery Stenting: A Randomized Study, 725
- Intracerebral Hemorrhages Associated With Neurointerventional Procedures Using a Combination of Antithrombotic Agents Including Abciximab, 1916

Accidental falls
- *Higher Incidence of Falls in Long-Term Stroke Survivors Than in* Population Controls: Depressive Symptoms Predict Falls After Stroke, 542

Acetaminophen
- Acetaminophen for Altering Body Temperature in Acute Stroke: A Randomized Clinical Trial, 130
- Modification of Body Temperature After Acute Stroke: A New Concept Needed? 134

Acetazolamide
- Cerebrovascular Reactivity to Acetazolamide and Outcome in Patients With Symptomatic Internal Carotid or Middle Cerebral Artery Occlusion: A Xenon-133 Single-Photon Emission Computed Tomography Study, 1857
- Detection of Misery Perfusion With Split-Dose ^{123}I-Iodoamphetamine Single-Photon Emission Computed Tomography in Patients With Carotid Occlusive Diseases, 2217

Acetylcholine
- Gene Transfer of Inducible Nitric Oxide Synthase Impairs Relaxation in Human and Rabbit Cerebral Arteries, 2292

Acid-base equilibrium
- Role of Endothelial Nitric Oxide and Smooth Muscle Potassium Channels in Cerebral Arteriolar Dilation in Response to Acidosis, 844

Acupuncture
- Does Acupuncture Have Additional Value to Standard Poststroke Motor Rehabilitation? 186
- Does Acupuncture Improve Motor Recovery After Stroke? A Meta-Analysis of Randomized Controlled Trials, 2604

Adenosine diphosphate ribose
- Poly(ADP-Ribose) Polymerase Impairs Early and Long-Term Experimental Stroke Recovery, 1101

Adenoviruses
- Gene Transfer of Inducible Nitric Oxide Synthase Impairs Relaxation in Human and Rabbit Cerebral Arteries, 2292

Aging
- Effect of Age on Functional Outcomes After Stroke Rehabilitation, 179
- Societal Costs of Vascular Cognitive Impairment in Older Adults, 1605
- Well-Being After Stroke in Canadian Seniors: Findings From the Canadian Study of Health and Aging, 1016

Air pollution
- Air Pollution: A New Risk Factor in Ischemic Stroke Mortality, 2165

Albumin
- Albumin Therapy of Transient Focal Cerebral Ischemia: In Vivo Analysis of Dynamic Microvascular Responses, 1077

Alcohol drinking
- Alcohol Consumption and Risk of Ischemic Stroke: The Framingham Study, 907

Alzheimer disease
- Alzheimer Disease as a Vascular Disorder: Nosological Evidence, 1152
- Cerebral Hypoperfusion Generates Cortical Watershed Microinfarcts in Alzheimer Disease, 1986
- Dementia After Stroke: High Incidence and Intriguing Associations, 2261
- Incidence of Dementia After Ischemic Stroke: Results of a Longitudinal Study, 2254
- Is Mild Cognitive Impairment Prodromal for Vascular Dementia Like Alzheimer's Disease? 1981
- No Association of Paraoxonase Genotype or Atherosclerosis With Cerebral Amyloid Angiopathy, 896

Amaurosis fugax
- Comparison of Risk Factors in Patients With Transient and Prolonged Eye and Brain Ischemic Syndromes, 2383

Amides
- Release of Fatty Acid Amides in a Patient With Hemispheric Stroke: A Microdialysis Study, 2112

Amitriptyline
- Amitriptyline in the Prophylaxis of Central Poststroke Pain: Preliminary Results of 39 Patients in a Placebo-Controlled, Long-Term Study, 3030

Amyloid
- Cerebral Hypoperfusion Generates Cortical Watershed Microinfarcts in Alzheimer Disease, 1986
- No Association of Paraoxonase Genotype or Atherosclerosis With Cerebral Amyloid Angiopathy, 896

Amyloid precursor protein
- Expression of Human Apolipoprotein E Downregulates Amyloid Precursor Protein-Induced Ischemic Susceptibility, 1905

Anesthesia
- Tolerance Against Ischemic Neuronal Injury Can Be Induced by Volatile Anesthetics and Is Inducible NO Synthase Dependent, 1889

Aneurysm
- Blood Use in Cerebrovascular Neurosurgery, 994
- Dissecting Aneurysms of Intracranial Carotid Circulation, 941
- Endovascular Coil Embolization of Cerebral Aneurysm Remnants After Incomplete Surgical Obliteration, 1809
- Endovascular Microcoil Gene Delivery Using Immobilized Antiadenovirus Antibody for Vector Tethering, 1376
- Endovascular Treatment of Aneurysms in the Cavernous Sinus: A Systematic Review on Balloon Occlusion of the Parent Vessel and Embolization With Coils, 313
- Guglielmi Detachable Coil Embolization of Posterior Circulation Aneurysms: A Systematic Review of the Literature, 2509
- In Situ Beta Radiation to Prevent Recanalization After Coil Embolization of Cerebral Aneurysms, 421
- Ultrastructural Connective Tissue Aberrations in Patients With Intracranial Aneurysms, 2192

Anger
- Adjustment in the Anger-Stroke Relationship: How Far Should One Go? 19
- The Association Between Trait Anger and Incident Stroke Risk: The Atherosclerosis Risk in Communities (ARIC) Study, 13

Angina pectoris
- Severity of Angina Pectoris and Risk of Ischemic Stroke, 245

Angiogenesis
- Cerebral Capillary Endothelial Cell Mitogenesis and Morphogenesis Induced by Astrocytic Epoxyeicosatrienoic Acid, 2957
- Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985
- Is the Hypercoagulable State in Atrial Fibrillation Mediated by Vascular Endothelial Growth Factor? 2187

Angiography
- Angioarchitectural Factors Present in Brain Arteriovenous Malformations Associated With Hemorrhagic Presentation, 920
- Computed Tomography Angiography for the Evaluation of Carotid Atherosclerotic Plaque: Correlation With Histopathology of Endarterectomy Specimens, 977
- CT Angiography With Whole Brain Perfused Blood Volume Imaging: Added Clinical Value in the Assessment of Acute Stroke, 959
- Dysplastic Vessels After Surgery for Brain Arteriovenous Malformations, 1053
- Etiologic Study of Young Ischemic Stroke in Taiwan, 1950
- Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827

Large and Deep Brain Arteriovenous Malformations Are Associated With Risk of Future Hemorrhage, 1220
Magnetic Resonance Angiography in Childhood Arterial Brain Infarcts: A Comparative Study With Contrast Angiography, 1280
MOSAIC: Multimodal Stroke Assessment Using Computed Tomography: Novel Diagnostic Approach for the Prediction of Infarction Size and Clinical Outcome, 2819
Predominant Involvement of Ipsilateral Anterior and Posterior Circulations in Moyamoya Disease, 1497
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821

Angiography, digital subtraction
Color Velocity Imaging Quantification in the Detection of Intracranial Collateral Flow, 1795
Diagnostic Accuracy of Magnetic Resonance Angiography for Cerebral Aneurysms in Correlation With 3D-Digital Subtraction Angiographic Images: A Study of 133 Aneurysms, 1803
Preoperative Diagnosis of Carotid Artery Stenosis: Accuracy of Noninvasive Testing, 2003

Angioneurotic edema
Biochemical Basis of Angioedema Associated With Recombinant Tissue Plasminogen Activator Treatment: An In Vitro Experimental Approach, 1712

Angiopathy
Cerebral Hypoperfusion Generates Cortical Watershed Microinfarcts in Alzheimer Disease, 1986
Cerebral Microbleeds in CADASIL: A Gradient-Echo Magnetic Resonance Imaging and Autopsy Study, 67
Silent Cerebral Microbleeds on T2*-Weighted MRI: Correlation with Stroke Subtype, Stroke Recurrence, and Leukoaraiosis, 1536

Angioplasty
Cerebral Protection During Carotid Artery Stenting: Collection and Histopathologic Analysis of Embolized Debris, 456
Direct Percutaneous Transluminal Angioplasty for Acute Middle Cerebral Artery Trunk Occlusion: An Alternative Option to Intra-arterial Thrombolysis, 2872
Intracerebral Hemorrhages Associated With Neurointerventional Procedures Using a Combination of Antithrombotic Agents Including Abciximab, 1916
Long-Term Outcome After Angioplasty for Symptomatic Extracranial Carotid Stenosis in Poor Surgical Candidates, 2877

Angiotensin-converting enzyme inhibitors (ACE-I)
Stroke Prevention Therapy Beyond Antithrombotics: Unifying Mechanisms in Ischemic Stroke Pathogenesis and Implications for Therapy: An Invited Review, 862

Animal models
Cellular Responses of Bioabsorbable Polymeric Material and Guglielmi Detachable Coil in Experimental Aneurysms, 1120
In Situ Beta Radiation to Prevent Recanalization After Coil Embolization of Cerebral Aneurysms, 421
NAP, a Femtomolar-Acting Peptide, Protects the Brain Against Ischemic Injury by Reducing Apoptotic Death, 1085
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs, 306
New Insights Into Brain Damage in Stroke-Prone Rats: A Nuclear Magnetic Imaging Study, 825
New Method of Embolus Preparation for Standardized Embolic Stroke in Rabbits, 2329

Antibodies, antiphospholipid
Antiphospholipid Antibodies and Stroke in Young Women, 2396
aPL and Stroke in Young Women: More Fuel for the Stroke Risk Fire, 2400

Antibodies, monoclonal
Acute Basilar Artery Occlusion Treated With Combined Intravenous Abciximab and Intra-arterial Tissue Plasminogen Activator: Report of 3 Cases, 1424

Anticoagulants
Anticoagulants and Antiplatelet Agents in Acute Ischemic Stroke: Report of the Joint Stroke Guideline Development Committee of the American Academy of Neurology and the American Stroke Association (a Division of the American Heart Association), 1934
Considering the Role of Heparin and Low-Molecular-Weight Heparins in Acute Ischemic Stroke, 1927
Emergent Use of Anticoagulation for Treatment of Patients With Ischemic Stroke, 856
Inhibition of Factor IX(a) Is Protective in a Rat Model of Thromboembolic Stroke, 578
Prevalence of Atrial Fibrillation and Antithrombotic Prophylaxis in Emergency Department Patients, 2664
Warfarin-Aspirin Recurrent Stroke Study (WARSS) Trial: Is Warfarin Really a Reasonable Therapeutic Alternative to Aspirin for Preventing Recurrent Noncardioembolic Ischemic Stroke? 1723

Anticoagulants, lupus
Antiphospholipid Antibodies and Stroke in Young Women, 2396
aPL and Stroke in Young Women: More Fuel for the Stroke Risk Fire, 2400

Antidepressive agents
Amitriptyline in the Prophylaxis of Central Poststroke Pain: Preliminary Results of 39 Patients in a Placebo-Controlled, Long-Term Study, 3030
Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: A Population-Based Case-Control Study, 1465
Use of Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: Is There Reason for Concern? 1448

Antilipemic agents
Effect of Controlled Release/Extended Release Metoprolol on Carotid Intima-Media Thickness in Patients With Hypercholesterolemia: A 3-Year Randomized Study, 572

Antioxidants
Prognostic Significance of Uric Acid Serum Concentration in Patients With Acute Ischemic Stroke, 1048

Antithrombins
Delayed Argatroban Treatment Reduces Edema in a Rat Model of Intracerebral Hemorrhage, 3012

Antithrombotic therapy
Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): Final Results, 122
Clomethiazole: An Unsuccessful Bachelor, but Perhaps a Prosperous Married Man? 128

Aorta
Impact of Aortic Stiffness on Ischemic Stroke in Elderly Patients, 2077
Leukocyte Count Is Associated With Aortic Arch Plaque Thickness, 2587

Aphasia
Vascular Aphasias: Main Characteristics of Patients Hospitalized in Acute Stroke Units, 702

Apolipoproteins
Apolipoprotein A-I and B and Stroke Events in a Community-Based Cohort in Taiwan: Report of the Chin-Shan Community Cardiovascular Study, 39
Apolipoprotein E Genotype and Outcome in Aneurysmal Subarachnoid Hemorrhage, 548
Beyond Hypertension: Unraveling the Causes of Intracerebral Hemorrhage, 1195
Expression of Human Apolipoprotein E Downregulates Amyloid Precursor Protein-Induced Ischemic Susceptibility, 1905
Genetic and Environmental Risk Factors for Intracerebral Hemorrhage: Preliminary Results of a Population-Based Study, 1190
Influence of Apolipoprotein E, Smoking, and Alcohol Intake on Carotid Atherosclerosis: National Heart, Lung, and Blood Institute Family Heart Study, 1357

Apoptosis
Endogenous Dopamine Amplifies Ischemic Long-Term Potentiation via D1 Receptors, 2978
Hemoglobin-Induced Cytotoxicity in Rat Cerebral Cortical Neurons: Caspase Activation and Oxidative Stress, 1882

Arterial occlusive disease
Effects of Nonpeptide V_1 Vasopressin Receptor Antagonist SR-49059 on Infarction Volume and Recovery of Function in a Focal Embolic Stroke Model, 3033
Progression of Middle Cerebral Artery Occlusive Disease and Its Relationship With Further Vascular Events After Stroke, 532

Arterioles
Two Types of Lacunar Infarcts: Further Arguments From a Study on Prognosis, 2072

Arteriosclerosis
Two Types of Lacunar Infarcts: Further Arguments From a Study on Prognosis, 2072

Arteriovenous fistula
Multidisciplinary Management of Spinal Dural Arteriovenous Fistulas: Clinical Presentation and Long-Term Follow-Up in 49 Patients, 1578
Arteriovenous malformations
Risk of Endovascular Treatment of Brain Arteriovenous Malformations, 1816
Ascorbic acid
Plasma Vitamin C Modifies the Association Between Hypertension and Risk of Stroke, 1568
Asian-Americans
Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, 230
The Next Generation: The Need to Expand Upon Traditional Risk Factors for Stroke, 236
Aspirin
Anticoagulants and Antiplatelet Agents in Acute Ischemic Stroke: Report of the Joint Stroke Guideline Development Committee of the American Academy of Neurology and the American Stroke Association (a Division of the American Heart Association), 1934
Aspirin and Urinary 11-Dehydrothromboxane B_2 in African American Stroke Patients, 57
Aspirin Should Be First-Line Antiplatelet Therapy in the Secondary Prevention of Stroke, 2137
Aspirin Therapy Should Be First Line: Probably, But Watch This Space, 2139
Aspirin Therapy Should Be First-Line Treatment in Secondary Prevention of Stroke Against, 2138
Atrial Fibrillation, Stroke, and Acute Antithrombotic Therapy: Analysis of Randomized Clinical Trials, 2722
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261
Warfarin-Aspirin Recurrent Stroke Study (WARSS) Trial: Is Warfarin Really a Reasonable Therapeutic Alternative to Aspirin for Preventing Recurrent Noncardioembolic Ischemic Stroke? 1723
Astrocytes
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499
Hypoxic-Ischemic Injury Induces Macrophage Inflammatory Protein-1α Expression in Immature Rat Brain, 795
Ataxia telangectasia
ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471
Atherosclerosis
Active and Passive Smoking, Chronic Infections, and the Risk of Carotid Atherosclerosis: Prospective Results From the Bruneck Study, 2170
Association Between Behavior-Dependent Cardiovascular Risk Factors and Asymptomatic Carotid Atherosclerosis in a General Population, 2929
Association Between Tumor Necrosis Receptor Levels and Carotid Atherosclerosis: Is the Association Limited to Younger Individuals? 37
Association of Obesity and Central Fat Distribution With Carotid Artery Wall Thickening in Middle-Aged Women, 2923
Bilateral Symmetry of Human Carotid Artery Atherosclerosis, 2575
C-Reactive Protein Predicts Progression of Atherosclerosis Measured at Various Sites in the Arterial Tree: The Rotterdam Study, 2750
Carotid Artery Wall Thickness in Patients With Obstructive Sleep Apnea Syndrome, 1782
Carotid Plaque Area: A Tool for Targeting and Evaluating Vascular Preventive Therapy, 2916
Chlamydia pneumoniae in Carotid Artery Atherosclerosis: A Comparison of Its Presence in Atherosclerotic Plaque, Healthy Vessels, and Circulating Leukocytes From the Same Individuals, 2756
Chlamydia pneumoniae Seropositivity Is Associated With Increased Plasma Levels of Soluble Cellular Adhesion Molecules in Community-Dwelling Subjects: The Shimanami Health Promoting Program (J-SHIPP) Study, 1474
Effect of Controlled Release/Extended Release Metoprolol on Carotid Intima-Media Thickness in Patients With Hypercholesterolemia: A 3-Year Randomized Study, 572
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876
Impact of Infectious Burden on Progression of Carotid Atherosclerosis, 2581
Influence of Apolipoprotein E, Smoking, and Alcohol Intake on Carotid Atherosclerosis: National Heart, Lung, and Blood Institute Family Heart Study, 1357
Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827
Leukocyte Count Is Associated With Aortic Arch Plaque Thickness, 2587
Matrix Metalloproteinase-1 and Matrix Metalloproteinase-3 Gene Promoter Polymorphisms Are Associated With Carotid Artery Stenosis, 2408
Mesencephalic and Associated Posterior Circulation Infarcts, 2224
Mutations in the Hemochromatosis Gene (*HFE*) and Stroke, 2363
No Association of Paraoxonase Genotype or Atherosclerosis With Cerebral Amyloid Angiopathy, 896
Paraoxonase 192 Gln→Arg Polymorphism: An Independent Risk Factor for Nonfatal Arterial Ischemic Stroke Among Young Adults, 1459
Plasma Homocysteine Levels and Atherosclerosis in Japan: Epidemiological Study by Use of Carotid Ultrasonography, 2177
Prospective, Randomized, Double-Blind Trial Investigating the Effect of Doxycycline on Matrix Metalloproteinase Expression Within Atherosclerotic Carotid Plaques, 2858
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821
Risk Factors for Progression of Aortic Atheroma in Stroke and Transient Ischemic Attack Patients, 930
Severity of Angina Pectoris and Risk of Ischemic Stroke, 245
Stroke Is Associated With Coronary Calcification as Detected by Electron-Beam CT: The Rotterdam Coronary Calcification Study, 462
Tumor Necrosis Factor Receptor Levels Are Associated With Carotid Atherosclerosis, 31
Atrial fibrillation
Amaurosis in Carotid Stenosis Versus Atrial Fibrillation: Prediction or Observation? 1968
Atrial Fibrillation, Shared Decision Making, and the Prevention of Stroke, 243
Atrial Fibrillation, Stroke, and Acute Antithrombotic Therapy: Analysis of Randomized Clinical Trials, 2722
Ethnic Differences in Patient Perceptions of Atrial Fibrillation and Anticoagulation Therapy: The West Birmingham Atrial Fibrillation Project, 238
High Plasma Brain Natriuretic Polypeptide Level as a Marker of Risk for Thromboembolism in Patients With Nonvalvular Atrial Fibrillation, 1005
Is the Hypercoagulable State in Atrial Fibrillation Mediated by Vascular Endothelial Growth Factor? 2187
Occurrence of Hemispheric and Retinal Ischemia in Atrial Fibrillation Compared With Carotid Stenosis, 1963
Platelet P-Selectin Levels in Relation to Plasma Soluble P-Selectin and β-Thromboglobulin Levels in Atrial Fibrillation, 1237
Predictors of Severe Stroke: Influence of Preexisting Dementia and Cardiac Disorders, 2357
Prevalence of Atrial Fibrillation and Antithrombotic Prophylaxis in Emergency Department Patients, 2664
Australia
Informal Care for Stroke Survivors: Results From the North East Melbourne Stroke Incidence Study (NEMESIS), 1028
Long-Term Disability After First-Ever Stroke and Related Prognostic Factors in the Perth Community Stroke Study, 1989-1990, 1034
Reduced Risk of Intracerebral Hemorrhage With Dynamic Recreational Exercise but Not With Heavy Work Activity, 559
Autoradiography
Muscimol Binding to γ-Aminobutyric $Acid_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698

Autoregulation
Cerebral Autoregulation Under Moderate Hypothermia in Patients With Acute Stroke, 3026
Awareness
Stroke Awareness and Knowledge Retention in Children: The Brain Child Project, 623

B

Bacteria
Chlamydia pneumoniae in Carotid Artery Atherosclerosis: A Comparison of Its Presence in Atherosclerotic Plaque, Healthy Vessels, and Circulating Leukocytes From the Same Individuals, 2756
Balloon occlusion
Endovascular Treatment of Aneurysms in the Cavernous Sinus: A Systematic Review on Balloon Occlusion of the Parent Vessel and Embolization With Coils, 313
Basilar artery
Acute Basilar Artery Occlusion Treated With Combined Intravenous Abciximab and Intra-arterial Tissue Plasminogen Activator: Report of 3 Cases, 1424
Basilar Vasospasm Diagnosis: Investigation of a Modified "Lindegaard Index" Based on Imaging Studies and Blood Velocity Measurements of the Basilar Artery, 72
Guglielmi Detachable Coil Embolization of Posterior Circulation Aneurysms: A Systematic Review of the Literature, 2509
Inhibitory Effects of Protein Kinase C on Inwardly Rectifying K^+- and ATP-Sensitive K^+ Channel-Mediated Responses of the Basilar Artery, 1692
Protective Vasomotor Effects of In Vivo Recombinant Endothelial Nitric Oxide Synthase Gene Expression in a Canine Model of Cerebral Vasospasm, 782
Study Design and Outcome Measures in Studies on Aneurysmal Subarachnoid Hemorrhage, 2043
The Need for a Quantifiable Normalized Transcranial Doppler Ratio for the Diagnosis of Posterior Circulation Vasospasm, 78
Treatment of Basilar Artery Embolism With a Mechanical Extraction Device: Necessity of Flow Reversal, 2232
Beer
Alcohol Consumption and Risk of Ischemic Stroke: The Framingham Study, 907
Behavior
Quantitative and Qualitative Impairments in Skilled Reaching in the Mouse (*Mus musculus*) After a Focal Motor Cortex Stroke, 1869
Social Stress Exacerbates Focal Cerebral Ischemia in Mice, 1660
Behavior, animal
Behavioral Tests After Intracerebral Hemorrhage in the Rat, 2478
Binswanger's disease
Arterial Changes in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) in Relation to Pathogenesis of Diffuse Myelin Loss of Cerebral White Matter: Examination of Cerebral Medullary Arteries by Reconstruction of Seriai Sections of an Autopsy Case, 2565
Blindness
Brain Representation of Hemifield Stimulation in Poststroke Visual Field Defects, 1286
Homonymous Visual Field Defects and Stroke in an Older Population, 2417
β Blockade
Effect of Controlled Release/Extended Release Metoprolol on Carotid Intima-Media Thickness in Patients With Hypercholesterolemia: A 3-Year Randomized Study, 572
Blood circulation
Altered Vascular Function in Fetal Programming of Hypertension, 2992
Prolonged Cerebral Transit Time in CADASIL: A Transcranial Ultrasound Study, 509
Blood flow velocity
Effects of Body Position on Intracranial Pressure and Cerebral Perfusion in Patients With Large Hemispheric Stroke, 497
Effects of Induced Hypertension on Intracranial Pressure and Flow Velocities of the Middle Cerebral Arteries in Patients With Large Hemispheric Stroke, 998
Elevated Cerebral Blood Flow Velocities in Fabry Disease With Reversal After Enzyme Replacement, 525
Blood pressure
Baseline Blood Pressure but Not Early Computed Tomography Changes Predicts Major Hemorrhage After Streptokinase in Acute Ischemic Stroke, 2236
Blood Pressure and Clinical Outcomes in the International Stroke Trial, 1315
Do Trends in Population Levels of Blood Pressure and Other Cardiovascular Risk Factors Explain Trends in Stroke Event Rates? Comparisons of 15 Populations in 9 Countries Within the WHO MONICA Stroke Project, 2367
Inflammation, Blood Pressure, and Stroke: An Opportunity to Target Primary Prevention? 2732
Long-Term Effects of Inflammation-Sensitive Plasma Proteins and Systolic Blood Pressure on Incidence of Stroke, 2744
Parallel Morning and Evening Surge in Stroke Onset, Blood Pressure, and Physical Activity, 1480
The PROGRESS Trial: Preventing Strokes by Lowering Blood Pressure in Patients With Cerebral Ischemia: Emerging Therapies: Critique of an Important Advance, 319
UKPDS 60: Risk of Stroke in Type 2 Diabetes Estimated by the UK Prospective Diabetes Study Risk Engine, 1776
Variability in Midlife Systolic Blood Pressure Is Related to Late-Life Brain White Matter Lesions: The Honolulu-Asia Aging Study, 26
Blood pressure monitoring, ambulatory
Twenty-four-Hour Blood Pressure and MRI as Predictive Factors for Different Outcomes in Patients With Lacunar Infarct, 297
Blood transfusion
Blood Use in Cerebrovascular Neurosurgery, 994
Blood vessels
Endothelium-Derived Hyperpolarizing Factor in the Brain: A New Regulator of Cerebral Blood Flow? 661
Blood volume
Color Velocity Imaging Quantification in the Detection of Intracranial Collateral Flow, 1795
Blood-brain barrier
Calcium Modulation of Adherens and Tight Junction Function: A Potential Mechanism for Blood-Brain Barrier Disruption After Stroke, 1706
Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model, 2100
Body height
Body Height Is Associated With Decreased Long-Term Stroke but Not Coronary Heart Disease Mortality? 743
Body position
Effects of Body Position on Intracranial Pressure and Cerebral Perfusion in Patients With Large Hemispheric Stroke, 497
Body temperature
Admission Body Temperature Predicts Long-Term Mortality After Acute Stroke: The Copenhagen Stroke Study, 1759
Bone density
Bone Formation in Carotid Plaques: A Clinicopathological Study, 1214
Bone marrow
Bone Marrow as a Source of Endothelial Cells and NeuN-Expressing Cells After Stroke, 1362
Bradykinin
Gene Transfer of Inducible Nitric Oxide Synthase Impairs Relaxation in Human and Rabbit Cerebral Arteries, 2292
Brain
Altered Calcium Dynamics Do Not Account for Attenuation of Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations in the Female Middle Cerebral Artery, 2972
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Endothelium-Derived Hyperpolarizing Factor in the Brain: A New Regulator of Cerebral Blood Flow? 661
Hypoxic Depolarization of Cerebellar Granule Neurons by Specific Inhibition of TASK-1, 2324
Magnetic Resonance Perfusion-Weighted Imaging of Acute Cerebral Infarction: Effect of the Calculation Methods and Underlying Vasculopathy, 87

Second Harmonic Imaging of the Human Brain: The Practicability of Coronal Insonation Planes and Alternative Perfusion Parameters, 1530
Stroke Awareness and Knowledge Retention in Children: The Brain Child Project, 623

Brain edema
Behavioral Tests After Intracerebral Hemorrhage in the Rat, 2478
Blood Pressure and Clinical Outcomes in the International Stroke Trial, 1315
Blood-Brain Barrier Disruption and Matrix Metalloproteinase-9 Expression During Reperfusion Injury: Mechanical Versus Embolic Focal Ischemia in Spontaneously Hypertensive Rats, 2711
Correlation of Apparent Diffusion Coefficient and Computed Tomography Density in Acute Ischemic Stroke, 1786
Delayed Argatroban Treatment Reduces Edema in a Rat Model of Intracerebral Hemorrhage, 3012
Diffusion-Weighted MRI: Back to the Future, 2204
Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985
Effects of Hypertonic (10%) Saline in Patients With Raised Intracranial Pressure After Stroke, 136
Effects of Nonpeptide V_1 Vasopressin Receptor Antagonist SR-49059 on Infarction Volume and Recovery of Function in a Focal Embolic Stroke Model, 3033
Global Cerebral Edema After Subarachnoid Hemorrhage: Frequency, Predictors, and Impact on Outcome, 1225
Intracranial Venous Hemodynamics in Patients With Midline Dislocation Due to Postischemic Brain Edema, 479
Prediction of Early Neurological Deterioration Using Diffusion- and Perfusion-Weighted Imaging in Hyperacute Middle Cerebral Artery Ischemic Stroke, 2197
Tolerance Against Ischemic Neuronal Injury Can Be Induced by Volatile Anesthetics and Is Inducible NO Synthase Dependent, 1889

Brain infarction
Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis: A Diffusion-Weighted Magnetic Resonance Imaging Study, 1267
Incidence, Manifestations, and Predictors of Brain Infarcts Defined by Serial Cranial Magnetic Resonance Imaging in the Elderly: The Cardiovascular Health Study, 2376

Brain injuries
Effect of Intravenous Gadolinium-DTPA on Diffusion-Weighted Images: Evaluation of Normal Brain and Infarcts, 1799
New Insights Into Brain Damage in Stroke-Prone Rats: A Nuclear Magnetic Imaging Study, 825
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738

Brain ischemia
Different Mechanisms of Secondary Neuronal Damage in Thalamic Nuclei After Focal Cerebral Ischemia in Rats, 3006
Ischemia and Ischemic Tolerance Induction Differentially Regulate Protein Expression of GluR1, GluR2, and AMPA Receptor Binding Protein in the Gerbil Hippocampus: GluR2 (GluR-B) Reduction Does Not Predict Neuronal Death, 1093
What Is Effective in Malignant Middle Cerebral Artery Infarction: Reperfusion, Craniectomy, or Both? An Experimental Study in Rats, 617

Brain stem infarction
MOSAIC: Multimodal Stroke Assessment Using Computed Tomography: Novel Diagnostic Approach for the Prediction of Infarction Size and Clinical Outcome, 2819

Brain tissue transplantation
Effects of Implantation Site of Stem Cell Grafts on Behavioral Recovery From Stroke Damage, 2270

Bypass surgery
Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging of the Brain Before and After Coronary Artery Bypass Grafting Surgery, 2909
Excimer Laser-Assisted High-Flow Extracranial/Intracranial Bypass in Patients With Symptomatic Carotid Artery Occlusion at High Risk of Recurrent Cerebral Ischemia: Safety and Long-Term Outcome, 2451

C

C-reactive protein
C-Reactive Protein Predicts Progression of Atherosclerosis Measured at Various Sites in the Arterial Tree: The Rotterdam Study, 2750
Inflammation and Stroke: The Leiden 85-Plus Study, 1135
Inflammation, Hemostatic Markers, and Antithrombotic Agents in Relation to Long-Term Risk of New Cardiovascular Events in First-Ever Ischemic Stroke Patients, 1763
Prognostic Relevance of Early Serial C-Reactive Protein Measurements After First Ischemic Stroke, 2459

CADASIL
Arterial Changes in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) in Relation to Pathogenesis of Diffuse Myelin Loss of Cerebral White Matter: Examination of Cerebral Medullary Arteries by Reconstruction of Serial Sections of an Autopsy Case, 2565
Cerebral Microbleeds in CADASIL: A Gradient-Echo Magnetic Resonance Imaging and Autopsy Study, 67
Functional Reorganization of Motor Cortex Increases With Greater Axonal Injury From CADASIL, 502
Monitoring Disease Progression in CADASIL With Diffusion Magnetic Resonance Imaging: A Study With Whole Brain Histogram Analysis, 2902

Calcium
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Bilateral Symmetry of Human Carotid Artery Atherosclerosis, 2575
Ca^{2+} Sparks and Their Function in Human Cerebral Arteries, 802
Calcium Modulation of Adherens and Tight Junction Function: A Potential Mechanism for Blood-Brain Barrier Disruption After Stroke, 1706
Stroke Is Associated With Coronary Calcification as Detected by Electron-Beam CT: The Rotterdam Coronary Calcification Study, 462

Calcium signaling
Endothelin-1-Induced Vasospasms of Spiral Modiolar Artery Are Mediated by Rho-Kinase-Induced Ca^{2+} Sensitization of Contractile Apparatus and Reversed by Calcitonin Gene-Related Peptide, 2965

Canada
Extending Tissue Plasminogen Activator Use to Community and Rural Stroke Patients, 141

Cannabinoids
Release of Fatty Acid Amides in a Patient With Hemispheric Stroke: A Microdialysis Study, 2112

Capillaries
Cerebral Capillary Endothelial Cell Mitogenesis and Morphogenesis Induced by Astrocytic Epoxyeicosatrienoic Acid, 2957

Cardiopulmonary bypass
Postoperative Hyperthermia Is Associated With Cognitive Dysfunction After Coronary Artery Bypass Graft Surgery, 537

Cardiovascular disease
Dietary Intake of Folate and Risk of Stroke in US Men and Women: NHANES I Epidemiologic Follow-Up Study, 1183
Folate and the Risk of Stroke: Fortify First and Ask Questions Later? 1188
Sympathetic Nervous Activity and Myocardial Damage Immediately After Subarachnoid Hemorrhage in a Unique Animal Model, 1671

Caregivers
Informal Care for Stroke Survivors: Results From the North East Melbourne Stroke Incidence Study (NEMESIS), 1028
Telephone Intervention With Family Caregivers of Stroke Survivors After Rehabilitation, 2060

Carotid arteries
Abciximab Bolus Injection Does Not Reduce Cerebral Ischemic Complications of Elective Carotid Artery Stenting: A Randomized Study, 725
Arterial Remodeling of the Common Carotid Artery After Aortic Valve Replacement in Patients With Aortic Stenosis, 2446
Association Between Carotid Intima-Media Thickness and Low-Density Lipoprotein Size and Susceptibility of Low-Density Lipoprotein to Oxidation in Asymptomatic Members of Familial Combined Hyperlipidemia Families, 1255

Association of Obesity and Central Fat Distribution With Carotid Artery Wall Thickening in Middle-Aged Women, 2923
Association of Plasma Homocysteine Concentration With Atherosclerotic Carotid Plaques and Lacunar Infarction, 1493
Bilateral Symmetry of Human Carotid Artery Atherosclerosis, 2575
Carotid Artery Wall Thickness in Patients With Obstructive Sleep Apnea Syndrome, 1782
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174
Carotid Stenting and Endarterectomy: A Clinical and Cost Comparison of Revascularization Strategies, 1063
Cerebral Infarction Due to Carotid Occlusion Caused by Cervical Vagal Neurilemmoma: Report of a Case, 1428
Cerebral Protection During Carotid Artery Stenting: Collection and Histopathologic Analysis of Embolized Debris, 456
Color Velocity Imaging Quantification in the Detection of Intracranial Collateral Flow, 1795
Computed Tomography Angiography for the Evaluation of Carotid Atherosclerotic Plaque: Correlation With Histopathology of Endarterectomy Specimens, 977
Cooling-Induced Carotid Artery Dilatation: An Experimental Study in Isolated Vessels, 256
Detection of Carotid Artery Stenosis by In Vivo Duplex Ultrasound: Correlation With Planimetric Measurements of the Corresponding Postmortem Specimens, 2402
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876
Imaging of Distal Internal Carotid Artery by Ultrasonography With a 3.5-MHz Convex Probe, 1792
Impact of Infectious Burden on Progression of Carotid Atherosclerosis, 2581
Influence of Apolipoprotein E, Smoking, and Alcohol Intake on Carotid Atherosclerosis: National Heart, Lung, and Blood Institute Family Heart Study, 1357
Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821

Carotid artery diseases

Are Spontaneous Cerebral Microemboli Consistent in Carotid Disease? 685
Association Between Behavior-Dependent Cardiovascular Risk Factors and Asymptomatic Carotid Atherosclerosis in a General Population, 2929
Carotid Artery Stenting Protected With an Emboli Containment System, 1308
Changes in Blood Flow and Oxygen Metabolism During Visual Stimulation in Carotid Artery Disease: Effect of Baseline Perfusion and Oxygen Metabolism, 1294
Chlamydia pneumoniae Serology Is Associated With Thrombosis-Related but Not With Plaque-Related Microembolization During Carotid Endarterectomy, 1249
Identifying Patients With Symptomatic Carotid Artery Disease at High and Low Risk of Severe Myocardial Infarction and Cardiac Death, 2413

Carotid artery occlusion

Excimer Laser-Assisted High-Flow Extracranial/Intracranial Bypass in Patients With Symptomatic Carotid Artery Occlusion at High Risk of Recurrent Cerebral Ischemia: Safety and Long-Term Outcome, 2451
Retinal and Optic Nerve Degeneration After Chronic Carotid Ligation: Time Course and Role of Light Exposure, 1107
Risk of Stroke, Transient Ischemic Attack, and Vessel Occlusion Before Endarterectomy in Patients With Symptomatic Severe Carotid Stenosis, 1057
Venous Stasis Retinopathy in Symptomatic Carotid Artery Occlusion: Prevalence, Cause, and Outcome, 695

Carotid artery plaque

Computed Tomography Angiography for the Evaluation of Carotid Atherosclerotic Plaque: Correlation With Histopathology of Endarterectomy Specimens, 977

Carotid artery, internal

Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066

Carotid atherosclerosis

Comparison of Tibolone and Conjugated Equine Estrogens Effects on Carotid Artery Atherosclerosis of Postmenopausal Monkeys, 2700

Carotid endarterectomy

Angioplasty and Stenting Should Be Performed Only in the Setting of a Clinical Trial, 2519
Angioplasty and Stenting Should Not Be Restricted to Clinical Trials, 2520
Autoantibodies Against Oxidatively Modified Lipoproteins and Progression of Carotid Restenosis After Carotid Endarterectomy, 1139
Blood Use in Cerebrovascular Neurosurgery, 994
Carotid Artery Stenting Protected With an Emboli Containment System, 1308
Carotid Endarterectomy and Race: Do Clinical Indications and Patient Preferences Account for Differences? 2936
Carotid Stenting and Endarterectomy: A Clinical and Cost Comparison of Revascularization Strategies, 1063
Cost of Identifying Patients for Carotid Endarterectomy, 435
Costs and Benefits of Carotid Endarterectomy and Associated Preoperative Arterial Imaging: A Systematic Review of Health Economic Literature, 629
Long-Term Durability of Carotid Endarterectomy for Symptomatic Stenosis and Risk Factors for Late Postoperative Stroke, 2658
Long-Term Outcome After Angioplasty for Symptomatic Extracranial Carotid Stenosis in Poor Surgical Candidates, 2877
Possible Determinants of Early Microembolism After Carotid Endarterectomy, 2082
Preoperative Diagnosis of Carotid Artery Stenosis: Accuracy of Noninvasive Testing, 2003
Prognostic Importance of Leukoaraiosis in Patients With Symptomatic Internal Carotid Artery Stenosis, 1651
Risk of Stroke, Transient Ischemic Attack, and Vessel Occlusion Before Endarterectomy in Patients With Symptomatic Severe Carotid Stenosis, 1057
Routine Duplex Surveillance Does Not Improve the Outcome After Carotid Endarterectomy: A Decision and Cost Utility Analysis, 749
Source of Microembolic Signals in Patients With High-Grade Carotid Stenosis, 2014
Stroke Carotid Stenting Is Unproven: Randomization Is a Must, 2522
To What Extent Should Quality of Care Decisions Be Based on Health Outcomes Data? Application to Carotid Endarterectomy, 2944

Carotid stenosis

Amaurosis in Carotid Stenosis Versus Atrial Fibrillation: Prediction or Observation? 1968
Autoantibodies Against Oxidatively Modified Lipoproteins and Progression of Carotid Restenosis After Carotid Endarterectomy, 1139
Automatic Online Embolus Detection and Artifact Rejection With the First Multifrequency Transcranial Doppler, 1969
Carotid Plaque Ultrasonic Heterogeneity and Severity of Stenosis, 1772
Comparison of Risk Factors in Patients With Transient and Prolonged Eye and Brain Ischemic Syndromes, 2383
Contrast-Enhanced Magnetic Resonance Angiography of Carotid Arteries: Utility in Routine Clinical Practice, 2834
High-Resolution, Contrast-Enhanced Magnetic Resonance Angiography With Elliptical Centric k-Space Ordering of Supra-aortic Arteries Compared With Selective X-Ray Angiography, 1522
Intracerebral Hemorrhages Associated With Neurointerventional Procedures Using a Combination of Antithrombotic Agents Including Abciximab, 1916
Long-Term Durability of Carotid Endarterectomy for Symptomatic Stenosis and Risk Factors for Late Postoperative Stroke, 2658
Long-Term Outcome After Angioplasty for Symptomatic Extracranial Carotid Stenosis in Poor Surgical Candidates, 2877
Matrix Metalloproteinase-1 and Matrix Metalloproteinase-3 Gene Promoter Polymorphisms Are Associated With Carotid Artery Stenosis, 2408

Occurrence of Hemispheric and Retinal Ischemia in Atrial Fibrillation Compared With Carotid Stenosis, 1963
Online Automatic Discrimination Between Solid and Gaseous Cerebral Microemboli With the First Multifrequency Transcranial Doppler, 1975
Possible Determinants of Early Microembolism After Carotid Endarterectomy, 2082
Preoperative Diagnosis of Carotid Artery Stenosis: Accuracy of Noninvasive Testing, 2003
Risk of Stroke, Transient Ischemic Attack, and Vessel Occlusion Before Endarterectomy in Patients With Symptomatic Severe Carotid Stenosis, 1057
Routine Duplex Surveillance Does Not Improve the Outcome After Carotid Endarterectomy: A Decision and Cost Utility Analysis, 749
Source of Microembolic Signals in Patients With High-Grade Carotid Stenosis, 2014

Case-control studies
Reduced Risk of Intracerebral Hemorrhage With Dynamic Recreational Exercise but Not With Heavy Work Activity, 559

Caspases
Neuroprotection by Selective Nitric Oxide Synthase Inhibition at 24 Hours After Perinatal Hypoxia-Ischemia, 2304

Catecholamines
Sympathetic Nervous Activity and Myocardial Damage Immediately After Subarachnoid Hemorrhage in a Unique Animal Model, 1671

Catheters, indwelling
Stroke Rehabilitation: Indwelling Urinary Catheters, Enteral Feeding Tubes, and Tracheostomies Are Associated With Resource Use and Functional Outcomes, 1845

Cats
Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383

Cavernous sinus
Endovascular Treatment of Aneurysms in the Cavernous Sinus: A Systematic Review on Balloon Occlusion of the Parent Vessel and Embolization With Coils, 313

CD14
A Prospective Evaluation of the CD14 and CD18 Gene Polymorphisms and Risk of Stroke, 892

CD18
A Prospective Evaluation of the CD14 and CD18 Gene Polymorphisms and Risk of Stroke, 892

Cell adhesion
Combined Endothelial Nitric Oxide Synthase Upregulation and Caveolin-1 Downregulation Decrease Leukocyte Adhesion in Pial Venules of Ovariectomized Female Rats, 613

Cell adhesion molecules
Inflammation, Cell Adhesion Molecules, and Stroke: Tools in Pathophysiology and Epidemiology? 2141
Inflammatory Cell Adhesion Molecules in Ischemic Cerebrovascular Disease, 2115
Soluble Intercellular Adhesion Molecule-1 and Risk of Future Ischemic Stroke: A Nested Case-Control Study From the Bezafibrate Infarction Prevention (BIP) Study Cohort, 2182

Cell communication
Endothelin-1-Induced Vasospasms of Spiral Modiolar Artery Are Mediated by Rho-Kinase-Induced Ca^{2+} Sensitization of Contractile Apparatus and Reversed by Calcitonin Gene-Related Peptide, 2965

Cell death
ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471

Cell differentiation
Effects of Implantation Site of Stem Cell Grafts on Behavioral Recovery From Stroke Damage, 2270

Cell respiration
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261

Cells, cultured
Cerebral Capillary Endothelial Cell Mitogenesis and Morphogenesis Induced by Astrocytic Epoxyeicosatrienoic Acid, 2957

Central nervous system vascular malformations
Clinical Course of Cranial Dural Arteriovenous Fistulas With Long-Term Persistent Cortical Venous Reflux, 1233
Color Doppler Flow Imaging of the Superior Ophthalmic Vein in Dural Arteriovenous Fistulas, 2009
Multidisciplinary Management of Spinal Dural Arteriovenous Fistulas: Clinical Presentation and Long-Term Follow-Up in 49 Patients, 1578

Cerebral aneurysm
Association Between Subarachnoid Hemorrhage Outcomes and Number of Cases Treated at California Hospitals, 1851
Continued Progress in Predicting Outcome After Subarachnoid Hemorrhage, 208
Dissecting Aneurysms of Intracranial Carotid Circulation, 941
Endovascular Treatment of Intracranial Aneurysms With Guglielmi Detachable Coils: Analysis of Midterm Angiographic and Clinical Outcomes, 210
Endovascular Treatment of Ruptured Intracranial Aneurysms in Patients Aged 65 Years and Older: Follow-Up of 52 Patients After 1 Year, 2620
Global Cerebral Edema After Subarachnoid Hemorrhage: Frequency, Predictors, and Impact on Outcome, 1225
Incidence of Aneurysmal Subarachnoid Hemorrhage in Shimokita, Japan, From 1989 to 1998, 195
Mouse Model of Cerebral Aneurysm: Experimental Induction by Renal Hypertension and Local Hemodynamic Changes, 1911
Practice Makes Perfect, 1856
Predictors of Cognitive Dysfunction After Subarachnoid Hemorrhage, 200
Role of the Endothelial Lining in Persistence of Residual Lesions and Growth of Recurrences After Endovascular Treatment of Experimental Aneurysms, 850

Cerebral angiography
Basilar Vasospasm Diagnosis: Investigation of a Modified "Lindegaard Index" Based on Imaging Studies and Blood Velocity Measurements of the Basilar Artery, 72
Observer Agreement in the Angiographic Assessment of Arteriovenous Malformations of the Brain, 1501
Reliability of Angiographic Assessment of Brain Arteriovenous Malformations, 1508
The Need for a Quantifiable Normalized Transcranial Doppler Ratio for the Diagnosis of Posterior Circulation Vasospasm, 78

Cerebral arteries
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Ca^{2+} Sparks and Their Function in Human Cerebral Arteries, 802
Echo Contrast-Enhanced Transcranial Ultrasound: Frequency of Use, Diagnostic Benefit, and Validity of Results Compared With MRA, 2600
Expression and Function of Recombinant S1179D Endothelial Nitric Oxide Synthase in Canine Cerebral Arteries, 1071
Small Centrum Ovale Infarcts on Diffusion-Weighted Magnetic Resonance Imaging, 1541

Cerebral arteriovenous malformations
A Population-Based Study of Brain Arteriovenous Malformation: Long-Term Treatment Outcomes, 2794
Blood Use in Cerebrovascular Neurosurgery, 994
Continued Progress in Predicting Outcome After Subarachnoid Hemorrhage, 208
Dysplastic Vessels After Surgery for Brain Arteriovenous Malformations, 1053
Observer Agreement in the Angiographic Assessment of Arteriovenous Malformations of the Brain, 1501
Predictors of Cognitive Dysfunction After Subarachnoid Hemorrhage, 200
Reliability of Angiographic Assessment of Brain Arteriovenous Malformations, 1508

Cerebral artery occlusion
Cerebrovascular Reactivity to Acetazolamide and Outcome in Patients With Symptomatic Internal Carotid or Middle Cerebral Artery

Occlusion: A Xenon-133 Single-Photon Emission Computed Tomography Study, 1857

Cerebral blood flow

Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251

Cerebral Blood Flow Predicts Lesion Growth in Acute Stroke Patients, 2421

Changes in Blood Flow and Oxygen Metabolism During Visual Stimulation in Carotid Artery Disease: Effect of Baseline Perfusion and Oxygen Metabolism, 1294

Changes of Neural Activity Correlate With the Severity of Cortical Ischemia in Patients With Unilateral Major Cerebral Artery Occlusion, 61

Dependence of Early Cerebral Reperfusion and Long-Term Outcome on Resuscitation Efficiency After Cardiac Arrest in Rats, 837

Expression of Human Apolipoprotein E Downregulates Amyloid Precursor Protein-Induced Ischemic Susceptibility, 1905

MOSAIC: Multimodal Stroke Assessment Using Computed Tomography: Novel Diagnostic Approach for the Prediction of Infarction Size and Clinical Outcome, 2819

Neuroprotective Effects of a Novel Non-Receptor-Binding Estrogen Analogue: In Vitro and In Vivo Analysis, 2485

Protection Against Ischemia and Improvement of Cerebral Blood Flow in Genetically Hypertensive Rats by Chronic Pretreatment With an Angiotensin II AT_1 Antagonist, 2297

Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke: Assumptions, Limitations, and Potential Implications for Clinical Use, 1146

Regional Cerebral Blood Flow and Magnetic Resonance Spectroscopic Imaging Findings in Diaschisis From Stroke, 1243

Cerebral circulation

Combined Endothelial Nitric Oxide Synthase Upregulation and Caveolin-1 Downregulation Decrease Leukocyte Adhesion in Pial Venules of Ovariectomized Female Rats, 613

Role of Endothelial Nitric Oxide and Smooth Muscle Potassium Channels in Cerebral Arteriolar Dilation in Response to Acidosis, 844

Cerebral cortex

Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251

ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471

Functional Reorganization of Motor Cortex Increases With Greater Axonal Injury From CADASIL, 502

Cerebral embolism

Are Spontaneous Cerebral Microemboli Consistent in Carotid Disease? 685

Automatic Online Embolus Detection and Artifact Rejection With the First Multifrequency Transcranial Doppler, 1969

Online Automatic Discrimination Between Solid and Gaseous Cerebral Microemboli With the First Multifrequency Transcranial Doppler, 1975

Optimizing the Technique of Contrast Transcranial Doppler Ultrasound in the Detection of Right-to-Left Shunts, 2211

Cerebral hemorrhage

Behavioral Tests After Intracerebral Hemorrhage in the Rat, 2478

Hemoglobin-Induced Cytotoxicity in Rat Cerebral Cortical Neurons: Caspase Activation and Oxidative Stress, 1882

Involvement of Matrix Metalloproteinase in Thrombolysis-Associated Hemorrhagic Transformation After Embolic Focal Ischemia in Rats, 831

Lack of Evidence for Pulmonary Venous Thrombosis in Cryptogenic Stroke: A Magnetic Resonance Angiography Study, 1416

Prediction of Hemorrhagic Transformation After Thrombolytic Therapy of Clot Embolism: An MRI Investigation in Rat Brain, 1392

Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model, 2100

Cerebral infarction

Aspirin and Urinary 11-Dehydrothromboxane B_2 in African American Stroke Patients, 57

Association Between Influenza Vaccination and Reduced Risk of Brain Infarction, 513

Cerebral Hypoperfusion Generates Cortical Watershed Microinfarcts in Alzheimer Disease, 1986

Cerebral Infarction Due to Carotid Occlusion Caused by Cervical Vagal Neurilemmoma: Report of a Case, 1428

Comparison of Risk Factors in Patients With Transient and Prolonged Eye and Brain Ischemic Syndromes, 2383

Correlation of Apparent Diffusion Coefficient and Computed Tomography Density in Acute Ischemic Stroke, 1786

Detection of Deoxygenation-Related Signal Change in Acute Ischemic Stroke Patients by T2*-Weighted Magnetic Resonance Imaging, 967

Examining the Lacunar Hypothesis With Diffusion and Perfusion Magnetic Resonance Imaging, 2019

Handicap After Stroke: How Does It Relate to Disability, Perception of Recovery, and Stroke Subtype? The North East Melbourne Stroke Incidence Study (NEMESIS), 762

Incidence and Short-Term Outcome of Cerebral Infarction in Young Adults in Western Norway, 2105

Is the Association of National Institutes of Health Stroke Scale Scores and Acute Magnetic Resonance Imaging Stroke Volume Equal for Patients With Right- and Left-Hemisphere Ischemic Stroke? 954

Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383

Near-Infrared Spectroscopic Topography as a Tool to Monitor Motor Reorganization After Hemiparetic Stroke: A Comparison With Functional MRI, 2032

Neonatal Cerebral Infarction Diagnosed by Diffusion-Weighted MRI: Pseudonormalization Occurs Early, 1142

Physician Knowledge and Practices in the Evaluation of Coagulopathies in Stroke Patients, 948

Prevalence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study, 21

Silent Cerebral Microbleeds on T2*-Weighted MRI: Correlation with Stroke Subtype, Stroke Recurrence, and Leukoaraiosis, 1536

Temporal Profile of Enhanced Vulnerability of the Postthrombotic Brain to Secondary Embolic Events, 1113

The Stroke Patient Who Woke Up: Clinical and Radiological Features, Including Diffusion and Perfusion MRI, 988

What Is Effective in Malignant Middle Cerebral Artery Infarction: Reperfusion, Craniectomy, or Both? An Experimental Study in Rats, 617

Cerebral ischemia

Abciximab Bolus Injection Does Not Reduce Cerebral Ischemic Complications of Elective Carotid Artery Stenting: A Randomized Study, 725

Assessment of Functioning and Disability After Ischemic Stroke, 2053

Bone Marrow as a Source of Endothelial Cells and NeuN-Expressing Cells After Stroke, 1362

Cerebral Ischemia Upregulates Vascular Endothelin ET_B Receptors in Rat, 2311

Combined Clinical and Imaging Information as an Early Stroke Outcome Measure, 466

Comparison of Admission Perfusion Computed Tomography and Qualitative Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging in Acute Stroke Patients, 2025

Direct Percutaneous Transluminal Angioplasty for Acute Middle Cerebral Artery Trunk Occlusion: An Alternative Option to Intra-arterial Thrombolysis, 2872

Dissecting Aneurysms of Intracranial Carotid Circulation, 941

Do We Really Need a Better Way to Give Heparin in Acute Cerebral Ischemia? 659

Efficacy and Safety of Memantine in Patients With Mild to Moderate Vascular Dementia: A Randomized, Placebo-Controlled Trial (MMM 300), 1834

Flow Cytometric Analysis of Inflammatory Cells in Ischemic Rat Brain, 586

MRI Evaluation and Functional Assessment of Brain Injury After Hypoxic Ischemia in Neonatal Mice, 1405

NAP, a Femtomolar-Acting Peptide, Protects the Brain Against Ischemic Injury by Reducing Apoptotic Death, 1085

Neuroprotective Effect of Delayed Moderate Hypothermia After Focal Cerebral Ischemia: An MRI Study, 1899

Oxidative Stress in Rats With Heatstroke-Induced Cerebral Ischemia, 790
Poly(ADP-Ribose) Polymerase Impairs Early and Long-Term Experimental Stroke Recovery, 1101
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492
Progression of Middle Cerebral Artery Occlusive Disease and Its Relationship With Further Vascular Events After Stroke, 532
Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke: Assumptions, Limitations, and Potential Implications for Clinical Use, 1146
Release of Fatty Acid Amides in a Patient With Hemispheric Stroke: A Microdialysis Study, 2112
Safety of Intraventricular Sodium Nitroprusside and Thiosulfate for the Treatment of Cerebral Vasospasm in the Intensive Care Unit Setting, 486
Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat, 3019
The PROGRESS Trial: Preventing Strokes by Lowering Blood Pressure in Patients With Cerebral Ischemia: Emerging Therapies: Critique of an Important Advance, 319
Tolerance Against Ischemic Neuronal Injury Can Be Induced by Volatile Anesthetics and Is Inducible NO Synthase Dependent, 1889
Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123
Transesophageal Echocardiography for Quantifying Size of Patent Foramen Ovale in Patients With Cryptogenic Cerebrovascular Events, 293
Transient Focal Ischemia Increases Endothelial Nitric Oxide Synthase in Cerebral Blood Vessels, 2704
Ultrastructural Changes of Neuronal Mitochondria After Transient and Permanent Cerebral Ischemia, 816

Cerebral ischemia, focal
Dendritic Cells Are Present in Ischemic Brain After Permanent Middle Cerebral Artery Occlusion in the Rat, 1129
Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985
Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383
Penumbral Microcirculatory Changes Associated With Peri-infarct Depolarizations in the Rat, 606
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369
Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model, 2100

Cerebral ischemia, global
Neuroprotection by Selective Nitric Oxide Synthase Inhibition at 24 Hours After Perinatal Hypoxia-Ischemia, 2304

Cerebral ischemia, transient
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Comparison of Risk Factors in Patients With Transient and Prolonged Eye and Brain Ischemic Syndromes, 2383
Manganese Superoxide Dismutase Deficiency Exacerbates Cerebral Infarction After Focal Cerebral Ischemia/Reperfusion in Mice: Implications for the Production and Role of Superoxide Radicals, 809
Neuroprotection and P450 2C11 Upregulation After Experimental Transient Ischemic Attack, 1677
Neurovascular Complications of Marfan Syndrome: A Retrospective, Hospital-Based Study, 680
Ultrastructural Changes of Neuronal Mitochondria After Transient and Permanent Cerebral Ischemia, 816

Cerebral medullary artery
Arterial Changes in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) in Relation to Pathogenesis of Diffuse Myelin Loss of Cerebral White Matter: Examination of Cerebral Medullary Arteries by Reconstruction of Serial Sections of an Autopsy Case, 2565

Cerebral metabolism
Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251
Effects of Hypothermia on Excitatory Amino Acids and Metabolism in Stroke Patients: A Microdialysis Study, 519

Cerebral perfusion pressure
Effects of Body Position on Intracranial Pressure and Cerebral Perfusion in Patients With Large Hemispheric Stroke, 497
Effects of Induced Hypertension on Intracranial Pressure and Flow Velocities of the Middle Cerebral Arteries in Patients With Large Hemispheric Stroke, 998

Cerebral veins
Intracranial Venous Hemodynamics in Patients With Midline Dislocation Due to Postischemic Brain Edema, 479
Intracranial Venous Hemodynamics Is a Factor Related to a Favorable Outcome in Cerebral Venous Thrombosis, 1645

Cerebral vessels
17β-Estradiol Increases Rat Cerebrovascular Prostacyclin Synthesis by Elevating Cyclooxygenase-1 and Prostacyclin Synthase, 600
Estrogen Increases Endothelial Nitric Oxide Synthase via Estrogen Receptors in Rat Cerebral Blood Vessels: Effect Preserved After Concurrent Treatment With Medroxyprogesterone Acetate or Progesterone, 1685

Cerebrovascular accident
Alcohol Consumption and Risk of Ischemic Stroke: The Framingham Study, 907
Amitriptyline in the Prophylaxis of Central Poststroke Pain: Preliminary Results of 39 Patients in a Placebo-Controlled, Long-Term Study, 3030
Elevated Cerebral Blood Flow Velocities in Fabry Disease With Reversal After Enzyme Replacement, 525
Shortening the NIH Stroke Scale for Use in the Prehospital Setting, 2801
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589

Cerebrovascular circulation
Risk of Stroke, Transient Ischemic Attack, and Vessel Occlusion Before Endarterectomy in Patients With Symptomatic Severe Carotid Stenosis, 1057

Cerebrovascular disorders
Addressing the Heterogeneity of the Ischemic Stroke Phenotype in Human Genetics Research, 2770
Amaurosis in Carotid Stenosis Versus Atrial Fibrillation: Prediction or Observation? 1968
Analysis and Comparison of the Psychometric Properties of Three Balance Measures for Stroke Patients, 1022
Angioarchitectural Factors Present in Brain Arteriovenous Malformations Associated With Hemorrhagic Presentation, 920
Antiphospholipid Antibodies and Stroke in Young Women, 2396
aPL and Stroke in Young Women: More Fuel for the Stroke Risk Fire, 2400
Association Between Tumor Necrosis Receptor Levels and Carotid Atherosclerosis: Is the Association Limited to Younger Individuals? 37
Brief Comprehensive Quality of Life Assessment After Stroke: The Assessment of Quality of Life Instrument in the North East Melbourne Stroke Incidence Study (NEMESIS), 2888
Carotid Plaque Area: A Tool for Targeting and Evaluating Vascular Preventive Therapy, 2916
Cerebrovascular Disease and Evolution of Depressive Symptoms in the Cardiovascular Health Study, 1636
Characteristics of Brain Arteriovenous Malformations With Coexisting Aneurysms: A Comparison of Two Referral Centers, 675
Characterization of Incident Stroke Signs and Symptoms: Findings From the Atherosclerosis Risk in Communities Study, 2718
CT Angiography in Acute Ischemic Stroke: Preliminary Results, 276
Dementia After Stroke: High Incidence and Intriguing Associations, 2261
Dietary Intake of Folate and Risk of Stroke in US Men and Women: NHANES I Epidemiologic Follow-Up Study, 1183
Elevated Cerebral Blood Flow Velocities in Fabry Disease With Reversal After Enzyme Replacement, 525

Folate and the Risk of Stroke: Fortify First and Ask Questions Later? 1188
Genetic Liability in Stroke: A Long-Term Follow-Up Study of Danish Twins, 769
Handicap After Stroke: How Does It Relate to Disability, Perception of Recovery, and Stroke Subtype? The North East Melbourne Stroke Incidence Study (NEMESIS), 762
Homocysteine, Stroke, and Dementia, 2343
Impact of Aortic Stiffness on Ischemic Stroke in Elderly Patients, 2077
Incidence of Dementia After Ischemic Stroke: Results of a Longitudinal Study, 2254
Inflammatory Cell Adhesion Molecules in Ischemic Cerebrovascular Disease, 2115
Informal Care for Stroke Survivors: Results From the North East Melbourne Stroke Incidence Study (NEMESIS), 1028
Key Neurological Impairments Influence Function-Related Group Outcomes After Stroke, 1920
Large and Deep Brain Arteriovenous Malformations Are Associated With Risk of Future Hemorrhage, 1220
Moderately Elevated Plasma Homocysteine, Methylenetetrahydrofolate Reductase Genotype, and Risk for Stroke, Vascular Dementia, and Alzheimer Disease in Northern Ireland, 2351
Neuropsychological Predictors of Incident Dementia in Patients With Vascular Cognitive Impairment, Without Dementia, 1999
New Considerations in Analyzing Stroke and Heart Disease Mortality Trends: The Year 2000 Age Standard and the *International Statistical Classification of Diseases and Related Health Problems, 10th Revision*, 1717
NINDS-Sponsored Clinical Trials in Stroke: Past, Present, and Future, 311
No Association of Paraoxonase Genotype or Atherosclerosis With Cerebral Amyloid Angiopathy, 896
Occurrence of Hemispheric and Retinal Ischemia in Atrial Fibrillation Compared With Carotid Stenosis, 1963
Optimizing the Technique of Contrast Transcranial Doppler Ultrasound in the Detection of Right-to-Left Shunts, 2211
Predicting Outcome After Acute and Subacute Stroke: Development and Validation of New Prognostic Models, 1041
Predominant Involvement of Ipsilateral Anterior and Posterior Circulations in Moyamoya Disease, 1497
Prognostic Significance of Uric Acid Serum Concentration in Patients With Acute Ischemic Stroke, 1048
Stroke Rehabilitation: Indwelling Urinary Catheters, Enteral Feeding Tubes, and Tracheostomies Are Associated With Resource Use and Functional Outcomes, 1845
Stroke Risk Factor Profiles in African American Women: An Interim Report From the African-American Antiplatelet Stroke Prevention Study, 913
Trends in Stroke Mortality: The Impact of the Year 2000 Age Standard and the *International Statistical Classification of Diseases and Related Health Problems, 10th Revision*, 1722
Trunk Control as an Early Predictor of Comprehensive Activities of Daily Living Function in Stroke Patients, 2626
Tumor Necrosis Factor Receptor Levels Are Associated With Carotid Atherosclerosis, 31

Cervical artery dissection
Plasma Homocysteine Concentration, C677T *MTHFR* Genotype, and 844ins68bp *CBS* Genotype in Young Adults With Spontaneous Cervical Artery Dissection and Atherothrombotic Stroke, 664
Spontaneous Cervical Artery Dissection: From Risk Factors Toward Pathogenesis, 657

Chemokines
Hypoxic-Ischemic Injury Induces Macrophage Inflammatory Protein-1α Expression in Immature Rat Brain, 795

Child
Magnetic Resonance Angiography in Childhood Arterial Brain Infarcts: A Comparative Study With Contrast Angiography, 1280
Predominant Involvement of Ipsilateral Anterior and Posterior Circulations in Moyamoya Disease, 1497
Stroke Awareness and Knowledge Retention in Children: The Brain Child Project, 623

Chinese
Progression of Middle Cerebral Artery Occlusive Disease and Its Relationship With Further Vascular Events After Stroke, 532

Chlamydia pneumoniae
Chlamydia pneumoniae Seropositivity Is Associated With Increased Plasma Levels of Soluble Cellular Adhesion Molecules in Community-Dwelling Subjects: The Shimanami Health Promoting Program (J-SHIPP) Study, 1474

Cholesterol
ACC/AHA/NHLBI Clinical Advisory on the Use and Safety of Statins, 2337
Cholesterol Predicts Stroke Mortality in the Women's Pooling Project, 1863
Low Concentration of Serum Total Cholesterol Is Associated With Multifocal Signal Loss Lesions on Gradient-Echo Magnetic Resonance Imaging: Analysis of Risk Factors for Multifocal Signal Loss Lesions, 2845
UKPDS 60: Risk of Stroke in Type 2 Diabetes Estimated by the UK Prospective Diabetes Study Risk Engine, 1776

Chronic ocular ischemia
Venous Stasis Retinopathy in Symptomatic Carotid Artery Occlusion: Prevalence, Cause, and Outcome, 695

Cigarette smoking
Active and Passive Smoking, Chronic Infections, and the Risk of Carotid Atherosclerosis: Prospective Results From the Bruneck Study, 2170
Cessation of Smoking After First-Ever Stroke: A Follow-Up Study, 2263
Influence of Apolipoprotein E, Smoking, and Alcohol Intake on Carotid Atherosclerosis: National Heart, Lung, and Blood Institute Family Heart Study, 1357

Circadian rhythm
Parallel Morning and Evening Surge in Stroke Onset, Blood Pressure, and Physical Activity, 1480

Classification
Validating Administrative Data in Stroke Research, 2465

Clinical trials
Angioplasty and Stenting Should Be Performed Only in the Setting of a Clinical Trial, 2519
Angioplasty and Stenting Should Not Be Restricted to Clinical Trials, 2520
Anticoagulants and Antiplatelet Agents in Acute Ischemic Stroke: Report of the Joint Stroke Guideline Development Committee of the American Academy of Neurology and the American Stroke Association (a Division of the American Heart Association), 1934
Improving the Assessment of Outcomes in Stroke: Use of a Structured Interview to Assign Grades on the Modified Rankin Scale, 2243
Modified National Institutes of Health Stroke Scale for Use in Stroke Clinical Trials: Prospective Reliability and Validity, 1261
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs, 306
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs: An Opposing View, 308
Neuroprotection: Establishing Proof of Concept in Human Stroke, 309
NINDS-Sponsored Clinical Trials in Stroke: Past, Present, and Future, 311
Stroke Carotid Stenting Is Unproven: Randomization Is a Must, 2522
Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123
Warfarin-Aspirin Recurrent Stroke Study (WARSS) Trial: Is Warfarin Really a Reasonable Therapeutic Alternative to Aspirin for Preventing Recurrent Noncardioembolic Ischemic Stroke? 1723

Clomethiazole
Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): Final Results, 122
Clomethiazole: An Unsuccessful Bachelor, but Perhaps a Prosperous Married Man? 128

Clopidogrel
Aspirin Should Be First-Line Antiplatelet Therapy in the Secondary Prevention of Stroke, 2137
Aspirin Therapy Should Be First Line: Probably, But Watch This Space, 2139
Aspirin Therapy Should Be First-Line Treatment in Secondary Prevention of Stroke Against, 2138

Coagulation
Cryptogenic Stroke in Relation to Genetic Variation in Clotting Factors and Other Genetic Polymorphisms Among Young Men and Women, 2762

Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618
Physician Knowledge and Practices in the Evaluation of Coagulopathies in Stroke Patients, 948

Cochlea
Endothelin-1-Induced Vasospasms of Spiral Modiolar Artery Are Mediated by Rho-Kinase-Induced Ca^{2+} Sensitization of Contractile Apparatus and Reversed by Calcitonin Gene-Related Peptide, 2965

Cognition
Reemergence of Stroke Deficits With Midazolam Challenge, 283

Cognitive disorders
Is Mild Cognitive Impairment Prodromal for Vascular Dementia Like Alzheimer's Disease? 1981
Predictors of Severe Stroke: Influence of Preexisting Dementia and Cardiac Disorders, 2357
Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons: The Atherosclerosis Risk in Communities Study, 1487
Societal Costs of Vascular Cognitive Impairment in Older Adults, 1605
Spatial Neglect: Is Rehabilitation Effective? 2728

Collateral circulation
Color Velocity Imaging Quantification in the Detection of Intracranial Collateral Flow, 1795

Complications
Abciximab Bolus Injection Does Not Reduce Cerebral Ischemic Complications of Elective Carotid Artery Stenting: A Randomized Study, 725
Fractures After Stroke: Frequency, Types, and Associations, 728
To What Extent Should Quality of Care Decisions Be Based on Health Outcomes Data? Application to Carotid Endarterectomy, 2944

Computed tomography
Baseline Blood Pressure but Not Early Computed Tomography Changes Predicts Major Hemorrhage After Streptokinase in Acute Ischemic Stroke, 2236
Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066
Computed Tomography Angiography for the Evaluation of Carotid Atherosclerotic Plaque: Correlation With Histopathology of Endarterectomy Specimens, 977
Correlation of Apparent Diffusion Coefficient and Computed Tomography Density in Acute Ischemic Stroke, 1786
CT and Diffusion-Weighted MR Imaging in Randomized Order: Diffusion-Weighted Imaging Results in Higher Accuracy and Lower Interrater Variability in the Diagnosis of Hyperacute Ischemic Stroke, 2206
Is CT or MRI the Method of Choice for Imaging Patients With Acute Stroke? *Why Should Men Divide if Fate Has United?* 2144
MOSAIC: Multimodal Stroke Assessment Using Computed Tomography: *Novel Diagnostic Approach for the Prediction of Infarction* Size and Clinical Outcome, 2819
Natural History of Perihematomal Edema in Patients With Hyperacute Spontaneous Intracerebral Hemorrhage, 2631
Relative Edema Volume Is a Predictor of Outcome in Patients With *Hyperacute Spontaneous Intracerebral Hemorrhage*, 2636

Conjugated equine estrogens
Comparison of Tibolone and Conjugated Equine Estrogens Effects on Carotid Artery Atherosclerosis of Postmenopausal Monkeys, 2700

Connective tissue disorders
Spontaneous Cervical Artery Dissection: From Risk Factors Toward *Pathogenesis*, 657
Ultrastructural Connective Tissue Aberrations in Patients With Intracranial Aneurysms, 2192

Contraceptives, oral
Risk of Arterial Thrombosis in Relation to Oral Contraceptives (RATIO) Study: Oral Contraceptives and the Risk of Ischemic Stroke, 1202

Contrast media
Comparison Between Echo Contrast Agent-Specific Imaging Modes and Perfusion-Weighted Magnetic Resonance Imaging for the Assessment of Brain Perfusion, 2433
Comparison of CT and CT Angiography Source Images With Diffusion-Weighted Imaging in Patients With Acute Stroke Within 6 Hours After Onset, 2426
Echo Contrast-Enhanced Transcranial Ultrasound: Frequency of Use, Diagnostic Benefit, and Validity of Results Compared With MRA, 2600
High-Resolution, Contrast-Enhanced Magnetic Resonance Angiography With Elliptical Centric k-Space Ordering of Supra-aortic Arteries Compared With Selective X-Ray Angiography, 1522
Prediction of Hemorrhagic Transformation After Thrombolytic Therapy of Clot Embolism: An MRI Investigation in Rat Brain, 1392
Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke: Assumptions, Limitations, and Potential Implications for Clinical Use, 1146
Second Harmonic Imaging of the Human Brain: The Practicability of Coronal Insonation Planes and Alternative Perfusion Parameters, 1530
Transesophageal Echocardiography for Quantifying Size of Patent Foramen Ovale in Patients With Cryptogenic Cerebrovascular Events, 293

Controlled clinical trials
Acute Stroke Trials: Strengthening the Underpowered, 1450
Heterogeneity of Stroke Pathophysiology and Neuroprotective Clinical Trial Design, 1545

Copoly(lactic/glycolic acid)
Efficacy and Safety of Nicardipine Prolonged-Release Implants for Preventing Vasospasm in Humans, 1011

Coronary heart disease
Body Height Is Associated With Decreased Long-Term Stroke but Not Coronary Heart Disease Mortality? 743
Severity of Angina Pectoris and Risk of Ischemic Stroke, 245

Coronary vessels
Chlamydia pneumoniae in Carotid Artery Atherosclerosis: A Comparison of Its Presence in Atherosclerotic Plaque, Healthy Vessels, and Circulating Leukocytes From the Same Individuals, 2756

Cost-benefit analysis
Costs and Benefits of Carotid Endarterectomy and Associated Preoperative Arterial Imaging: A Systematic Review of Health Economic Literature, 629
Routine Duplex Surveillance Does Not Improve the Outcome After Carotid Endarterectomy: A Decision and Cost Utility Analysis, 749

Costs and cost analysis
Carotid Stenting and Endarterectomy: A Clinical and Cost Comparison of Revascularization Strategies, 1063
Cost of Identifying Patients for Carotid Endarterectomy, 435
Costs and Benefits of Carotid Endarterectomy and Associated Preoperative Arterial Imaging: A Systematic Review of Health Economic Literature, 629
Direct Costs of Modern Treatment of Aneurysmal Subarachnoid *Hemorrhage in the First Year After Diagnosis*, 1595
Informal Care for Stroke Survivors: Results From the North East Melbourne Stroke Incidence Study (NEMESIS), 1028
Prediction of Length of Stay of First-Ever Ischemic Stroke, 2670
Societal Costs of Vascular Cognitive Impairment in Older Adults, 1605

Counseling
Physician Advice, Patient Actions, and Health-Related Quality of Life in Secondary Prevention of Stroke Through Diet and Exercise, 565
The Physician's Role in Helping Patients to Increase Physical Activity and Improve Eating Habits, 570

Craniectomy
Hemicraniectomy and Moderate Hypothermia in Patients With Severe *Ischemic Stroke*, 1584
What Is Effective in Malignant Middle Cerebral Artery Infarction: Reperfusion, Craniectomy, or Both? An Experimental Study in Rats, 617

Craniotomy
Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618

Creatine kinase-MB
Creatine Kinase-MB Elevation After Stroke Is Not Cardiac in Origin: Comparison With Troponin T Levels, 286

Creatinine
Does Renal Dysfunction Predict Mortality After Acute Stroke? A 7-Year Follow-Up Study, 1630
Incidence, Manifestations, and Predictors of Brain Infarcts Defined by Serial Cranial Magnetic Resonance Imaging in the Elderly: The Cardiovascular Health Study, 2376
Cyclooxygenase-2
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499
Cystathionine β-synthase
Plasma Homocysteine Concentration, C677T *MTHFR* Genotype, and 844ins68bp *CBS* Genotype in Young Adults With Spontaneous Cervical Artery Dissection and Atherothrombotic Stroke, 664
Cytidine diphosphate choline
Oral Citicoline in Acute Ischemic Stroke: An Individual Patient Data Pooling Analysis of Clinical Trials, 2850
Cytochrome P-450
Cerebral Capillary Endothelial Cell Mitogenesis and Morphogenesis Induced by Astrocytic Epoxyeicosatrienoic Acid, 2957
Cytokines
Dendritic Cells Are Present in Ischemic Brain After Permanent Middle Cerebral Artery Occlusion in the Rat, 1129
Inflammation and Stroke: The Leiden 85-Plus Study, 1135
Inflammation-Mediated Damage in Progressing Lacunar Infarctions: A Potential Therapeutic Target, 982
Intracerebral Hemorrhage Triggers Interleukin-6 and Interleukin-10 Release in Blood, 2334
Cytoskeleton
Middle Cerebral Artery Function After Stroke: The Threshold Duration of Reperfusion for Myogenic Activity, 2094

D

Data collection
Validating Administrative Data in Stroke Research, 2465
Data interpretation, statistical
Occurrence of Secondary Ischemic Events Among Persons With Atherosclerotic Vascular Disease, 901
Deafness
Sudden Deafness and Anterior Inferior Cerebellar Artery Infarction, 2807
Decision analysis
Routine Duplex Surveillance Does Not Improve the Outcome After Carotid Endarterectomy: A Decision and Cost Utility Analysis, 749
Delivery of health care, integrated
Integrated Care Pathways and Quality of Life on a Stroke Rehabilitation Unit, 1600
Dementia
Alzheimer Disease as a Vascular Disorder: Nosological Evidence, 1152
Dementia After Stroke: High Incidence and Intriguing Associations, 2261
Efficacy and Safety of Memantine in Patients With Mild to Moderate Vascular Dementia: A Randomized, Placebo-Controlled Trial *(MMM 300), 1834*
Homocysteine, Stroke, and Dementia, 2343
Incidence of Dementia After Ischemic Stroke: Results of a Longitudinal Study, 2254
Moderately Elevated Plasma Homocysteine, Methylenetetrahydrofolate Reductase Genotype, and Risk for Stroke, Vascular Dementia, and Alzheimer Disease in Northern Ireland, 2351
Neuropsychological Predictors of Incident Dementia in Patients With Vascular Cognitive Impairment, Without Dementia, 1999
Previous and Incident Dementia as Risk Factors for Mortality in Stroke Patients, 1993
Dementia, multi-infarct
Prolonged Cerebral Transit Time in CADASIL: A Transcranial Ultrasound Study, 509
Dementia, vascular
Dementia After Stroke: High Incidence and Intriguing Associations, 2261
Hypertensive Pontine Microhemorrhage, 925
Incidence of Dementia After Ischemic Stroke: Results of a Longitudinal Study, 2254
Is Mild Cognitive Impairment Prodromal for Vascular Dementia Like Alzheimer's Disease? 1981
Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons: The Atherosclerosis Risk in Communities Study, 1487
Twenty-four-Hour Blood Pressure and MRI as Predictive Factors for Different Outcomes in Patients With Lacunar Infarct, 297
Dendritic cells
Dendritic Cells Are Present in Ischemic Brain After Permanent Middle Cerebral Artery Occlusion in the Rat, 1129
Depression
Assessment of Functioning and Disability After Ischemic Stroke, 2053
Cerebrovascular Disease and Evolution of Depressive Symptoms in the Cardiovascular Health Study, 1636
Does Psychological Distress Predict the Risk of Ischemic Stroke and Transient Ischemic Attack? The Caerphilly Study, 7
Personality and Vulnerability to Depression in Stroke Patients: A 1-Year Prospective Follow-Up Study, 2391
Diabetes mellitus
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876
UKPDS 60: Risk of Stroke in Type 2 Diabetes Estimated by the UK Prospective Diabetes Study Risk Engine, 1776
Diagnosis
Acute Stroke Care in Illinois: A Statewide Assessment of Diagnostic and Treatment Capabilities, 1334
Assessment of Regional Acute Stroke Care, 1339
Contrast-Enhanced Magnetic Resonance Angiography of Carotid Arteries: Utility in Routine Clinical Practice, 2834
Detection of Carotid Artery Stenosis by In Vivo Duplex Ultrasound: Correlation With Planimetric Measurements of the Corresponding Postmortem Specimens, 2402
Physician Knowledge and Practices in the Evaluation of Coagulopathies in Stroke Patients, 948
The Stroke Patient Who Woke Up: Clinical and Radiological Features, Including Diffusion and Perfusion MRI, 988
Diagnostic imaging
CT Angiography With Whole Brain Perfused Blood Volume Imaging: Added Clinical Value in the Assessment of Acute Stroke, 959
Diaschisis
Regional Cerebral Blood Flow and Magnetic Resonance Spectroscopic Imaging Findings in Diaschisis From Stroke, 1243
Diet
Dietary Intake of Folate and Risk of Stroke in US Men and Women: NHANES I Epidemiologic Follow-Up Study, 1183
Folate and the Risk of Stroke: Fortify First and Ask Questions Later? 1188
Physician Advice, Patient Actions, and Health-Related Quality of Life in Secondary Prevention of Stroke Through Diet and Exercise, 565
The Physician's Role in Helping Patients to Increase Physical Activity and Improve Eating Habits, 570
Diffusion
Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis: A Diffusion-Weighted Magnetic Resonance Imaging Study, 1267
Effect of Intravenous Thrombolysis on MRI Parameters and Functional Outcome in Acute Stroke <6 Hours, 2438
Increased Anisotropy in Acute Stroke: A Possible Explanation, 1517
Magnetic Resonance Perfusion-Weighted Imaging of Acute Cerebral Infarction: Effect of the Calculation Methods and Underlying Vasculopathy, 87
New Insights Into Brain Damage in Stroke-Prone Rats: A Nuclear Magnetic Imaging Study, 825
Severe ADC Decreases Do Not Predict Irreversible Tissue Damage In Humans, 79
Dipyridamole
Aspirin Should Be First-Line Antiplatelet Therapy in the Secondary Prevention of Stroke, 2137
Aspirin Therapy Should Be First Line: Probably, But Watch This Space, 2139
Aspirin Therapy Should Be First-Line Treatment in Secondary Prevention of Stroke Against, 2138

Disability evaluation
Assessment of Functioning and Disability After Ischemic Stroke, 2053
Different Measures for Assessing Stroke Outcome: An Analysis From the International Stroke Trial in Italy, 218
Effect of Age on Functional Outcomes After Stroke Rehabilitation, 179
Evaluation of Proxy Responses to the Stroke Impact Scale, 2593
Guideline Compliance Improves Stroke Outcome: A Preliminary Study in 4 Districts in the Italian Region of Lombardia, 1341
Improving the Assessment of Outcomes in Stroke: Use of a Structured Interview to Assign Grades on the Modified Rankin Scale, 2243
Long-Term Disability After First-Ever Stroke and Related Prognostic Factors in the Perth Community Stroke Study, 1989-1990, 1034
Persisting Consequences of Stroke Measured by the Stroke Impact Scale, 1840
Trends in Stroke Prevalence Between 1973 and 1991 in the US Population 25 to 74 Years of Age, 1209
Trunk Control as an Early Predictor of Comprehensive Activities of Daily Living Function in Stroke Patients, 2626
Well-Being After Stroke in Canadian Seniors: Findings From the Canadian Study of Health and Aging, 1016

Disease (etiology)
Does Psychological Distress Predict the Risk of Ischemic Stroke and Transient Ischemic Attack? The Caerphilly Study, 7

Disphosphonates
Falls, Fractures, and Osteoporosis After Stroke: Time to Think About Protection? 1432

Dissection
Dissecting Aneurysms of Intracranial Carotid Circulation, 941

Dogs
Expression and Function of Recombinant S1179D Endothelial Nitric Oxide Synthase in Canine Cerebral Arteries, 1071
In Situ Beta Radiation to Prevent Recanalization After Coil Embolization of Cerebral Aneurysms, 421
Phosphatidylinositol 3-Kinase Inhibitor Failed to Reduce Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage, 593
Protective Vasomotor Effects of In Vivo Recombinant Endothelial Nitric Oxide Synthase Gene Expression in a Canine Model of Cerebral Vasospasm, 782
Role of the Endothelial Lining in Persistence of Residual Lesions and Growth of Recurrences After Endovascular Treatment of Experimental Aneurysms, 850
Sympathetic Nervous Activity and Myocardial Damage Immediately After Subarachnoid Hemorrhage in a Unique Animal Model, 1671

Drug delivery systems
Efficacy and Safety of Nicardipine Prolonged-Release Implants for Preventing Vasospasm in Humans, 1011

Drug therapy
Gangliosides for Acute Ischemic Stroke, 2336
Prospective, Randomized, Double-Blind Trial Investigating the Effect of Doxycycline on Matrix Metalloproteinase Expression Within Atherosclerotic Carotid Plaques, 2858

Dyskinesias
Long-Term Prognosis of Vascular Hemiballismus, 2109

E

E-selectin
Immune Tolerance and Stroke: A Turning Point, 2163
Induction of Mucosal Tolerance to E-Selectin Prevents Ischemic and Hemorrhagic Stroke in Spontaneously Hypertensive Genetically Stroke-Prone Rats, 2156

Ear
Sudden Deafness and Anterior Inferior Cerebellar Artery Infarction, 2807

Echo-planar imaging
Cerebral Microbleeds in CADASIL: A Gradient-Echo Magnetic Resonance Imaging and Autopsy Study, 67
Old Microbleeds Are a Potential Risk Factor for Cerebral Bleeding After Ischemic Stroke: A Gradient-Echo T2*-Weighted Brain MRI Study, 735

Echocardiography
Leukocyte Count Is Associated With Aortic Arch Plaque Thickness, 2587

Echocardiography, Doppler, color
Color Doppler Flow Imaging of the Superior Ophthalmic Vein in Dural Arteriovenous Fistulas, 2009

Echocardiography, transesophageal
Impact of Aortic Stiffness on Ischemic Stroke in Elderly Patients, 2077
Risk Factors for Progression of Aortic Atheroma in Stroke and Transient Ischemic Attack Patients, 930
Transesophageal Echocardiography for Quantifying Size of Patent Foramen Ovale in Patients With Cryptogenic Cerebrovascular Events, 293

Editorial Commentaries
Genetic Association Studies of Stroke: Hope, Signal, and Noise, 2769
MMP Inhibition and the Development of Cerebrovascular Atherosclerosis: The Road Ahead, 2864

Editorials
Acute Stroke Trials: Strengthening the Underpowered, 1450
Alcohol, Ischemic Stroke, and Lessons From a Negative Study, 890
Awareness: The First Step to Action, 1173
Brain Hemorrhage After Thrombolysis: Good or Bad? 1446
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174
Cochrane Corner, 1739
Do We Really Need a Better Way to Give Heparin in Acute Cerebral Ischemia? 659
Endothelium-Derived Hyperpolarizing Factor in the Brain: A New Regulator of Cerebral Blood Flow? 661
Homocysteine, Stroke, and Dementia, 2343
Inflammation, Blood Pressure, and Stroke: An Opportunity to Target Primary Prevention? 2732
Inflammation, Cell Adhesion Molecules, and Stroke: Tools in Pathophysiology and Epidemiology? 2141
Is CT or MRI the Method of Choice for Imaging Patients With Acute Stroke? Why Should Men Divide if Fate Has United? 2144
Measuring Quality of Life After Stroke Using the SF-36, 1176
Psychological Distress as a Risk Factor for Stroke-Related Mortality, 5
Spontaneous Cervical Artery Dissection: From Risk Factors Toward Pathogenesis, 657
Stroke ASAP, Ahead of Print, 2545
Stroke in Spanish, 2731
Stroke: The Next 30 Years, 1
Use of Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: Is There Reason for Concern? 1448
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443

Education
Improving Delivery of Acute Stroke Therapy: The TLL Temple Foundation Stroke Project, 160
Stroke Awareness and Knowledge Retention in Children: The Brain Child Project, 623

Elderly
Cerebral Atherosclerosis as Predictor of Stroke and Mortality in Representative Elderly Population, 224
Endovascular Treatment of Ruptured Intracranial Aneurysms in Patients Aged 65 Years and Older: Follow-Up of 52 Patients After 1 Year, 2620
Stroke in Lund-Orup, Sweden: Improved Long-Term Survival Among Elderly Stroke Patients, 1624

Electroencephalography
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738

Electromyography
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589

Electrophysiology
Endogenous Dopamine Amplifies Ischemic Long-Term Potentiation via D1 Receptors, 2978

Embolism
Anatomy of Stroke, Part I: An MRI-Based Topographic and Volumetric System of Analysis, 2549

Anatomy of Stroke, Part II: Volumetric Characteristics With Implications for the Local Architecture of the Cerebral Perfusion System, 2557
Cerebral Protection During Carotid Artery Stenting: Collection and Histopathologic Analysis of Embolized Debris, 456
Comparison of Risk Factors in Patients With Transient and Prolonged Eye and Brain Ischemic Syndromes, 2383
Endovascular Coil Embolization of Cerebral Aneurysm Remnants After Incomplete Surgical Obliteration, 1809
Microembolus Detection in Patients With Takayasu's Arteritis, 712
Thrombolytic Treatment of Clot Embolism in Rat: Comparison of Intra-arterial and Intravenous Application of Recombinant Tissue Plasminogen Activator, 2999

Embolism, paradoxical
Clinical and Imaging Findings in Cryptogenic Stroke Patients With and Without Patent Foramen Ovale: The PFO-ASA Study, 706
Transesophageal Echocardiography for Quantifying Size of Patent Foramen Ovale in Patients With Cryptogenic Cerebrovascular Events, 293

Embolization
Endovascular Treatment of Intracranial Aneurysms With *Guglielmi* Detachable Coils: Analysis of Midterm Angiographic and Clinical Outcomes, 210

Embolization, therapeutic
Endovascular Microcoil Gene Delivery Using Immobilized Anti-adenovirus Antibody for Vector Tethering, 1376
Guglielmi Detachable Coil Embolization of Posterior Circulation Aneurysms: A Systematic Review of the Literature, 2509
Multidisciplinary Management of Spinal Dural Arteriovenous Fistulas: Clinical Presentation and Long-Term Follow-Up in 49 Patients, 1578
Risk of Endovascular Treatment of Brain Arteriovenous Malformations, 1816

Emergency medical services
Factors Influencing Early Admission in a French Stroke Unit, 153
Improving Delivery of Acute Stroke Therapy: The TLL Temple Foundation Stroke Project, 160
Shortening the NIH Stroke Scale for Use in the Prehospital Setting, 2801

Endocarditis infection
Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis: A Diffusion-Weighted Magnetic Resonance Imaging Study, 1267

Endothelial
Bone Marrow as a Source of Endothelial Cells and NeuN-Expressing Cells After Stroke, 1362

Endothelins
Cerebral Ischemia Upregulates Vascular Endothelin ET_B Receptors in Rat, 2311
Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat, 3019

Endothelium
Altered Calcium Dynamics Do Not Account for Attenuation of Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations in the Female Middle Cerebral Artery, 2972
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Calcium Modulation of Adherens and Tight Junction Function: A Potential Mechanism for Blood-Brain Barrier Disruption After Stroke, 1706
Endothelium-Derived Hyperpolarizing Factor in the Brain: A New Regulator of Cerebral Blood Flow? 661
Hypoxic-Ischemic Injury Induces Macrophage Inflammatory Protein-1α Expression in Immature Rat Brain, 795
Immune Tolerance and Stroke: A Turning Point, 2163
Induction of Mucosal Tolerance to E-Selectin Prevents Ischemic and Hemorrhagic Stroke in Spontaneously Hypertensive Genetically Stroke-Prone Rats, 2156
Mechanism of Extracellular K^+-Induced Local and Conducted Responses in Cerebral Penetrating Arterioles, 2692

Endothelium, vascular
ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471

Endothelium-derived factors
Altered Calcium Dynamics Do Not Account for Attenuation of Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations in the Female Middle Cerebral Artery, 2972

Endothelium-derived hyperpolarizing factor
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285

Endovascular therapy
Cellular Responses of Bioabsorbable Polymeric Material and Guglielmi Detachable Coil in Experimental Aneurysms, 1120
Endovascular Treatment of Aneurysms in the Cavernous Sinus: A Systematic Review on Balloon Occlusion of the Parent Vessel and Embolization With Coils, 313
Endovascular Treatment of Intracranial Aneurysms With Guglielmi Detachable Coils: Analysis of Midterm Angiographic and Clinical Outcomes, 210
Endovascular Treatment of Ruptured Intracranial Aneurysms in Patients Aged 65 Years and Older: Follow-Up of 52 Patients After 1 Year, 2620
In Situ Beta Radiation to Prevent Recanalization After Coil Embolization of Cerebral Aneurysms, 421
Role of the Endothelial Lining in Persistence of Residual Lesions and Growth of Recurrences After Endovascular Treatment of Experimental Aneurysms, 850

Energy metabolism
Endogenous Dopamine Amplifies Ischemic Long-Term Potentiation via D1 Receptors, 2978

Enteral nutrition
Stroke Rehabilitation: Indwelling Urinary Catheters, Enteral Feeding Tubes, and Tracheostomies Are Associated With Resource Use and Functional Outcomes, 1845

Epidemiology
A Population-Based Study of Brain Arteriovenous Malformation: Long-Term Treatment Outcomes, 2794
Apolipoprotein A-I and B and Stroke Events in a Community-Based Cohort in Taiwan: Report of the Chin-Shan Community Cardiovascular Study, 39
Association Between Tumor Necrosis Receptor Levels and Carotid Atherosclerosis: Is the Association Limited to Younger Individuals? 37
Cerebrovascular Disease and Evolution of Depressive Symptoms in the Cardiovascular Health Study, 1636
Characteristics of Brain Arteriovenous Malformations With Coexisting Aneurysms: A Comparison of Two Referral Centers, 675
Characterization of Incident Stroke Signs and Symptoms: Findings From the Atherosclerosis Risk in Communities Study, 2718
Control of Hypertension and Risk of Stroke Recurrence, 2652
Do Trends in Population Levels of Blood Pressure and Other Cardiovascular Risk Factors Explain Trends in Stroke Event Rates? Comparisons of 15 Populations in 9 Countries Within the WHO MONICA Stroke Project, 2367
Genetic Basis of Variation in Carotid Artery Plaque in the San Antonio Family Heart Study, 2775
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876
Homocysteine, Stroke, and Dementia, 2343
Homonymous Visual Field Defects and Stroke in an Older Population, 2417
Incidence of Aneurysmal Subarachnoid Hemorrhage in Shimokita, Japan, From 1989 to 1998, 195
Leukocyte Count Is Associated With Aortic Arch Plaque Thickness, 2587
Long-Term Effects of Inflammation-Sensitive Plasma Proteins and Systolic Blood Pressure on Incidence of Stroke, 2744
Occurrence of Secondary Ischemic Events Among Persons With Atherosclerotic Vascular Disease, 901
Plasma Homocysteine Levels and Atherosclerosis in Japan: Epidemiological Study by Use of Carotid Ultrasonography, 2177
Reduced Risk of Intracerebral Hemorrhage With Dynamic Recreational Exercise but Not With Heavy Work Activity, 559
Risk of Arterial Thrombosis in Relation to Oral Contraceptives (RATIO) Study: Oral Contraceptives and the Risk of Ischemic Stroke, 1202

Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, 230
Stroke in Lund-Orup, Sweden: Improved Long-Term Survival Among Elderly Stroke Patients, 1624
Stroke Is Associated With Coronary Calcification as Detected by Electron-Beam CT: The Rotterdam Coronary Calcification Study, 462
The Next Generation: The Need to Expand Upon Traditional Risk Factors for Stroke, 236
Trends in Stroke Prevalence Between 1973 and 1991 in the US Population 25 to 74 Years of Age, 1209
Tumor Necrosis Factor Receptor Levels Are Associated With Carotid Atherosclerosis, 31
Variability in Midlife Systolic Blood Pressure Is Related to Late-Life Brain White Matter Lesions: The Honolulu-Asia Aging Study, 26
Weather, Chinook, and Stroke Occurrence, 1751

Equilibrium
Perception of Verticality After Recent Cerebral Hemispheric Stroke, 2247

Erythrocytes
Behavioral Tests After Intracerebral Hemorrhage in the Rat, 2478

Estrogens
17β-Estradiol Increases Rat Cerebrovascular Prostacyclin Synthesis by Elevating Cyclooxygenase-1 and Prostacyclin Synthase, 600
Combined Endothelial Nitric Oxide Synthase Upregulation and Caveolin-1 Downregulation Decrease Leukocyte Adhesion in Pial Venules of Ovariectomized Female Rats, 613
Estrogen Increases Endothelial Nitric Oxide Synthase via Estrogen Receptors in Rat Cerebral Blood Vessels: Effect Preserved After Concurrent Treatment With Medroxyprogesterone Acetate or Progesterone, 1685
Neuroprotective Effects of a Novel Non-Receptor-Binding Estrogen Analogue: In Vitro and In Vivo Analysis, 2485
Risk of Arterial Thrombosis in Relation to Oral Contraceptives (RATIO) Study: Oral Contraceptives and the Risk of Ischemic Stroke, 1202

Ethnic groups
Atrial Fibrillation, Shared Decision Making, and the Prevention of Stroke, 243
Ethnic Differences in Patient Perceptions of Atrial Fibrillation and Anticoagulation Therapy: The West Birmingham Atrial Fibrillation Project, 238
Hyperhomocyst(e)inemia and Risk of Ischemic Stroke Among Young Asian Adults, 1956
Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, 230
Sex Differences in US Mortality Rates for Stroke and Stroke Subtypes by Race/Ethnicity and Age, 1995-1998, 1197
The Next Generation: The Need to Expand Upon Traditional Risk Factors for Stroke, 236

Evaluation studies
Contrast-Enhanced Magnetic Resonance Angiography of Carotid Arteries: Utility in Routine Clinical Practice, 2834

Excitatory amino acids
AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813
Effects of Hypothermia on Excitatory Amino Acids and Metabolism in Stroke Patients: A Microdialysis Study, 519

Excitotoxicity
Muscimol Binding to γ-Aminobutyric Acid$_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698
Endogenous Dopamine Amplifies Ischemic Long-Term Potentiation via D1 Receptors, 2978

Exercise
Association Between Behavior-Dependent Cardiovascular Risk Factors and Asymptomatic Carotid Atherosclerosis in a General Population, 2929
Functional Walk Tests in Individuals With Stroke: Relation to Perceived Exertion and Myocardial Exertion, 756
Physician Advice, Patient Actions, and Health-Related Quality of Life in Secondary Prevention of Stroke Through Diet and Exercise, 565
The Physician's Role in Helping Patients to Increase Physical Activity and Improve Eating Habits, 570

Exercise therapy
Speed-Dependent Treadmill Training in Ambulatory Hemiparetic Stroke Patients: A Randomized Controlled Trial, 553
Treadmill Training With Partial Body Weight Support and an Electromechanical Gait Trainer for Restoration of Gait in Subacute Stroke Patients: A Randomized Crossover Study, 2895

Extracellular matrix
Involvement of Matrix Metalloproteinase in Thrombolysis-Associated Hemorrhagic Transformation After Embolic Focal Ischemia in Rats, 831

Extracellular space
Attenuation of Cerebral Vasospasm After Subarachnoid Hemorrhage in Mice Overexpressing Extracellular Superoxide Dismutase, 2317

F

Fabry disease
Elevated Cerebral Blood Flow Velocities in Fabry Disease With Reversal After Enzyme Replacement, 525

Factor IX
Inhibition of Factor IX(a) Is Protective in a Rat Model of Thromboembolic Stroke, 578

Factor V
Cryptogenic Stroke in Relation to Genetic Variation in Clotting Factors and Other Genetic Polymorphisms Among Young Men and Women, 2762

Factor XIII
Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618

Factor XIII deficiency
Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618

Fatigue
Poststroke Fatigue: A 2-Year Follow-Up Study of Stroke Patients in Sweden, 1327

Fatty acids
Linoleic Acid, Other Fatty Acids, and the Risk of Stroke, 2086
Release of Fatty Acid Amides in a Patient With Hemispheric Stroke: A Microdialysis Study, 2112

Fatty acids, unsaturated
Linoleic Acid, Other Fatty Acids, and the Risk of Stroke, 2086

Fibrin D-dimers
Inflammation, Hemostatic Markers, and Antithrombotic Agents in Relation to Long-Term Risk of New Cardiovascular Events in First-Ever Ischemic Stroke Patients, 1763

Fibrinolysis
Acute Basilar Artery Occlusion Treated With Combined Intravenous Abciximab and Intra-arterial Tissue Plasminogen Activator: Report of 3 Cases, 1424
Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618

Fingers
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589

Fistula
Color Doppler Flow Imaging of the Superior Ophthalmic Vein in Dural Arteriovenous Fistulas, 2009

Flow cytometry
Course of Platelet Activation Markers After Ischemic Stroke, 2570
Flow Cytometric Analysis of Inflammatory Cells in Ischemic Rat Brain, 586

Folic acid
Dietary Intake of Folate and Risk of Stroke in US Men and Women: NHANES I Epidemiologic Follow-Up Study, 1183

Folate and the Risk of Stroke: Fortify First and Ask Questions Later? 1188
Homocysteine, Stroke, and Dementia, 2343
Follow-up studies
Linoleic Acid, Other Fatty Acids, and the Risk of Stroke, 2086
Poststroke Fatigue: A 2-Year Follow-Up Study of Stroke Patients in Sweden, 1327
Foramen ovale, patent
Optimizing the Technique of Contrast Transcranial Doppler Ultrasound in the Detection of Right-to-Left Shunts, 2211
Transesophageal Echocardiography for Quantifying Size of Patent Foramen Ovale in Patients With Cryptogenic Cerebrovascular Events, 293
Free radicals
Hemoglobin-Induced Cytotoxicity in Rat Cerebral Cortical Neurons: Caspase Activation and Oxidative Stress, 1882
Oxidative Stress in Rats With Heatstroke-Induced Cerebral Ischemia, 790

G

GABA
Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): Final Results, 122
Clomethiazole: An Unsuccessful Bachelor, but Perhaps a Prosperous Married Man? 128
Reemergence of Stroke Deficits With Midazolam Challenge, 283
Gadolinium DTPA
Effect of Intravenous Gadolinium-DTPA on Diffusion-Weighted Images: Evaluation of Normal Brain and Infarcts, 1799
Gait
Functional Walk Tests in Individuals With Stroke: Relation to Perceived Exertion and Myocardial Exertion, 756
Speed-Dependent Treadmill Training in Ambulatory Hemiparetic Stroke Patients: A Randomized Controlled Trial, 553
Treadmill Training With Partial Body Weight Support and an Electromechanical Gait Trainer for Restoration of Gait in Subacute Stroke Patients: A Randomized Crossover Study, 2895
Gangliosides
Gangliosides for Acute Ischemic Stroke, 2336
Gap junctions
Cerebral Capillary Endothelial Cell Mitogenesis and Morphogenesis Induced by Astrocytic Epoxyeicosatrienoic Acid, 2957
Gender
Altered Calcium Dynamics Do Not Account for Attenuation of Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations in the Female Middle Cerebral Artery, 2972
Gene expression
Matrix Metalloproteinase-1 and Matrix Metalloproteinase-3 Gene Promoter Polymorphisms Are Associated With Carotid Artery Stenosis, 2408
Neuroprotection and P450 2C11 Upregulation After Experimental Transient Ischemic Attack, 1677
Transient Focal Ischemia Increases Endothelial Nitric Oxide Synthase in Cerebral Blood Vessels, 2704
Gene therapy
Endovascular Microcoil Gene Delivery Using Immobilized Anti-adenovirus Antibody for Vector Tethering, 1376
Protective Vasomotor Effects of In Vivo Recombinant Endothelial Nitric Oxide Synthase Gene Expression in a Canine Model of Cerebral Vasospasm, 782
Gene transfer
Expression and Function of Recombinant S1179D Endothelial Nitric Oxide Synthase in Canine Cerebral Arteries, 1071
Genetics
ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471
Carotid Intima-Media Thickness Is Associated With Allelic Variants of Stromelysin-1, Interleukin-6, and Hepatic Lipase Genes: The Northern Manhattan Prospective Cohort Study, 1420
Cryptogenic Stroke in Relation to Genetic Variation in Clotting Factors and Other Genetic Polymorphisms Among Young Men and Women, 2762
Genetic Basis of Variation in Carotid Artery Plaque in the San Antonio Family Heart Study, 2775
Genetic Liability in Stroke: A Long-Term Follow-Up Study of Danish Twins, 769
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876
Hyperhomocysteinemia and Other Inherited Prothrombotic Conditions in Young Adults With a History of Ischemic Stroke, 51
Moderately Elevated Plasma Homocysteine, Methylenetetrahydrofolate Reductase Genotype, and Risk for Stroke, Vascular Dementia, and Alzheimer Disease in Northern Ireland, 2351
Mouse Model of Cerebral Aneurysm: Experimental Induction by Renal Hypertension and Local Hemodynamic Changes, 1911
Genetics, medical
Addressing the Heterogeneity of the Ischemic Stroke Phenotype in Human Genetics Research, 2770
Gerbils
Muscimol Binding to γ-Aminobutyric $Acid_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698
Ischemia and Ischemic Tolerance Induction Differentially Regulate Protein Expression of GluR1, GluR2, and AMPA Receptor Binding Protein in the Gerbil Hippocampus: GluR2 (GluR-B) Reduction Does Not Predict Neuronal Death, 1093
Glucocorticoids
Social Stress Exacerbates Focal Cerebral Ischemia in Mice, 1660
Glucose
Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251
ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471
Glutamates
Efficacy and Safety of Memantine in Patients With Mild to Moderate Vascular Dementia: A Randomized, Placebo-Controlled Trial (MMM 300), 1834
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261
Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383
Granulocytes
Flow Cytometric Analysis of Inflammatory Cells in Ischemic Rat Brain, 586
Guanylate cyclase
Altered Vascular Function in Fetal Programming of Hypertension, 2992

H

Head and neck neoplasms
Cerebral Infarction Due to Carotid Occlusion Caused by Cervical Vagal Neurilemmoma: Report of a Case, 1428
Head injury
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738
Health status
Brief Comprehensive Quality of Life Assessment After Stroke: The Assessment of Quality of Life Instrument in the North East Melbourne Stroke Incidence Study (NEMESIS), 2888
Health-related quality of life
Physician Advice, Patient Actions, and Health-Related Quality of Life in Secondary Prevention of Stroke Through Diet and Exercise, 565
The Physician's Role in Helping Patients to Increase Physical Activity and Improve Eating Habits, 570
Heart arrest
Dependence of Early Cerebral Reperfusion and Long-Term Outcome on Resuscitation Efficiency After Cardiac Arrest in Rats, 837
Selective Vulnerability of the Lumbosacral Spinal Cord After Cardiac Arrest and Hypotension, 116

Heart disease
Identifying Patients With Symptomatic Carotid Artery Disease at High and Low Risk of Severe Myocardial Infarction and Cardiac Death, 2413
Small Centrum Ovale Infarcts on Diffusion-Weighted Magnetic Resonance Imaging, 1541
Heart failure
Predictors of Severe Stroke: Influence of Preexisting Dementia and Cardiac Disorders, 2357
Heart septal defects, atrial
Clinical and Imaging Findings in Cryptogenic Stroke Patients With and Without Patent Foramen Ovale: The PFO-ASA Study, 706
Heatstroke
Oxidative Stress in Rats With Heatstroke-Induced Cerebral Ischemia, 790
Hematoma
Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618
Hemiplegia
Perception of Verticality After Recent Cerebral Hemispheric Stroke, 2247
Speed-Dependent Treadmill Training in Ambulatory Hemiparetic Stroke Patients: A Randomized Controlled Trial, 553
Hemochromatosis
Mutations in the Hemochromatosis Gene (*HFE*) and Stroke, 2363
Hemodynamics
Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI, 103
Cerebral Perfusion and Cerebrovascular Reactivity Are Reduced in White Matter Hyperintensities, 972
Detection of Misery Perfusion With Split-Dose ^{123}I-Iodoamphetamine Single-Photon Emission Computed Tomography in Patients With Carotid Occlusive Diseases, 2217
Mouse Model of Cerebral Aneurysm: Experimental Induction by Renal Hypertension and Local Hemodynamic Changes, 1911
Hemoglobin
Detection of Deoxygenation-Related Signal Change in Acute Ischemic Stroke Patients by T2*-Weighted Magnetic Resonance Imaging, 967
Hemorrhage
A Population-Based Study of Brain Arteriovenous Malformation: Long-Term Treatment Outcomes, 2794
Beyond Hypertension: Unraveling the Causes of Intracerebral Hemorrhage, 1195
Blood Pressure and Clinical Outcomes in the International Stroke Trial, 1315
Brain Hemorrhage After Thrombolysis: Good or Bad? 1446
Direct Percutaneous Transluminal Angioplasty for Acute Middle Cerebral Artery Trunk Occlusion: An Alternative Option to Intra-arterial Thrombolysis, 2872
Genetic and Environmental Risk Factors for Intracerebral Hemorrhage: Preliminary Results of a Population-Based Study, 1190
Low-Molecular-Weight Heparins or Heparinoids Versus Standard Unfractionated Heparin for Acute Ischemic Stroke (Cochrane Review), 1925
Magnetic Resonance Imaging Detection of Microbleeds Before Thrombolysis: An Emerging Application, 95
Predictors of Hemorrhagic Transformation After Intravenous Recombinant Tissue Plasminogen Activator: Prognostic Value of the Initial Apparent Diffusion Coefficient and Diffusion-Weighted Lesion Volume, 2047
Predictors of Hemorrhagic Transformation in Patients Receiving Intra-Arterial Thrombolysis, 717
Safety of Tissue Plasminogen Activator for Acute Stroke in Menstruating Women, 2506
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738
Thrombolysis and hemorrhagic Transformation, 724
Thrombolysis-Related Hemorrhagic Infarction: A Marker of Early Reperfusion, Reduced Infarct Size, and Improved Outcome in Patients With Proximal Middle Cerebral Artery Occlusion, 1551
Weather, Chinook, and Stroke Occurrence, 1751
Hemorrhagic transformation
Old Microbleeds Are a Potential Risk Factor for Cerebral Bleeding After Ischemic Stroke: A Gradient-Echo T2*-Weighted Brain MRI Study, 735
Hemosiderin
Silent Cerebral Microbleeds on T2*-Weighted MRI: Correlation with Stroke Subtype, Stroke Recurrence, and Leukoaraiosis, 1536
Heparin
Atrial Fibrillation, Stroke, and Acute Antithrombotic Therapy: Analysis of Randomized Clinical Trials, 2722
Considering the Role of Heparin and Low-Molecular-Weight Heparins in Acute Ischemic Stroke, 1927
Do We Really Need a Better Way to Give Heparin in Acute Cerebral Ischemia? 659
Emergent Use of Anticoagulation for Treatment of Patients With Ischemic Stroke, 856
Low-Molecular-Weight Heparins or Heparinoids Versus Standard Unfractionated Heparin for Acute Ischemic Stroke (Cochrane Review), 1925
Use of Intravenous Heparin by North American Neurologists: Do the Data Matter? 1574
Validation of a Weight-Based Nomogram for the Use of Intravenous Heparin in Transient Ischemic Attack or Stroke, 670
Heparin, low-molecular-weight
Use of Intravenous Heparin by North American Neurologists: Do the Data Matter? 1574
Heparinoids
Use of Intravenous Heparin by North American Neurologists: Do the Data Matter? 1574
Hereditary disease
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876
Ultrastructural Connective Tissue Aberrations in Patients With Intracranial Aneurysms, 2192
HMG-CoA reductase inhibitors
Simvastatin Increases Endothelial Nitric Oxide Synthase and Ameliorates Cerebral Vasospasm Resulting From Subarachnoid Hemorrhage, 2950
Homocyst(e)ine
Association of Plasma Homocysteine Concentration With Atherosclerotic Carotid Plaques and Lacunar Infarction, 1493
Changes in Plasma Homocyst(e)ine in the Acute Phase After Stroke, 473
Homocysteine, Stroke, and Dementia, 2343
Hyperhomocysteinemia and Other Inherited Prothrombotic Conditions in Young Adults With a History of Ischemic Stroke, 51
Hyperhomocyst(e)inemia and Risk of Ischemic Stroke Among Young Asian Adults, 1956
Moderately Elevated Plasma Homocysteine, Methylenetetrahydrofolate Reductase Genotype, and Risk for Stroke, Vascular Dementia, and Alzheimer Disease in Northern Ireland, 2351
Plasma Homocysteine Concentration, C677T *MTHFR* Genotype, and 844ins68bp *CBS* Genotype in Young Adults With Spontaneous Cervical Artery Dissection and Atherothrombotic Stroke, 664
Plasma Homocysteine Levels and Atherosclerosis in Japan: Epidemiological Study by Use of Carotid Ultrasonography, 2177
Spontaneous Cervical Artery Dissection: From Risk Factors Toward Pathogenesis, 657
Stroke Prevention Therapy Beyond Antithrombotics: Unifying Mechanisms in Ischemic Stroke Pathogenesis and Implications for Therapy: An Invited Review, 862
Hormone replacement therapy
Comparison of Tibolone and Conjugated Equine Estrogens Effects on Carotid Artery Atherosclerosis of Postmenopausal Monkeys, 2700
Hospitalization
Factors Influencing Early Admission in a French Stroke Unit, 153
Hydrogen-ion concentration
Role of Endothelial Nitric Oxide and Smooth Muscle Potassium Channels in Cerebral Arteriolar Dilation in Response to Acidosis, 844
Hyperhomocysteinemia
Risk Factors for Progression of Aortic Atheroma in Stroke and Transient Ischemic Attack Patients, 930

Hyperlipoproteinemia, familial combined
Association Between Carotid Intima-Media Thickness and Low-Density Lipoprotein Size and Susceptibility of Low-Density Lipoprotein to Oxidation in Asymptomatic Members of Familial Combined Hyperlipidemia Families, 1255
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174
Hypertension
Altered Vascular Function in Fetal Programming of Hypertension, 2992
Control of Hypertension and Risk of Stroke Recurrence, 2652
Effects of Induced Hypertension on Intracranial Pressure and Flow Velocities of the Middle Cerebral Arteries in Patients With Large Hemispheric Stroke, 998
Isolated and Borderline Isolated Systolic Hypertension Relative to Long-Term Risk and Type of Stroke: A 20-Year Follow-Up of the National Health and Nutrition Survey, 2781
Plasma Vitamin C Modifies the Association Between Hypertension and Risk of Stroke, 1568
Protection Against Ischemia and Improvement of Cerebral Blood Flow in Genetically Hypertensive Rats by Chronic Pretreatment With an Angiotensin II AT_1 Antagonist, 2297
Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons: The Atherosclerosis Risk in Communities Study, 1487
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443
Hypertension, renal
Mouse Model of Cerebral Aneurysm: Experimental Induction by Renal Hypertension and Local Hemodynamic Changes, 1911
Hyperthermia
Postoperative Hyperthermia Is Associated With Cognitive Dysfunction After Coronary Artery Bypass Graft Surgery, 537
Hypertonic solution, saline
Effects of Hypertonic (10%) Saline in Patients With Raised Intracranial Pressure After Stroke, 136
Hypoperfusion
Cerebral Hypoperfusion Generates Cortical Watershed Microinfarcts in Alzheimer Disease, 1986
Retinal and Optic Nerve Degeneration After Chronic Carotid Ligation: Time Course and Role of Light Exposure, 1107
Hypotension
Selective Vulnerability of the Lumbosacral Spinal Cord After Cardiac Arrest and Hypotension, 116
Hypothermia
Cooling-Induced Carotid Artery Dilatation: An Experimental Study in Isolated Vessels, 256
Effects of Hypothermia on Excitatory Amino Acids and Metabolism in Stroke Patients: A Microdialysis Study, 519
Hemicraniectomy and Moderate Hypothermia in Patients With Severe Ischemic Stroke, 1584
Neuroprotective Effect of Delayed Moderate Hypothermia After Focal Cerebral Ischemia: An MRI Study, 1899
Hypoxia
MRI Evaluation and Functional Assessment of Brain Injury After Hypoxic Ischemia in Neonatal Mice, 1405

I

Identification
Recommendations for Improving the Quality of Care Through Stroke Centers and Systems: An Examination of Stroke Center Identification Options, 326
Image interpretation
Second Harmonic Imaging of the Human Brain: The Practicability of Coronal Insonation Planes and Alternative Perfusion Parameters, 1530
Image processing, computer assisted
Anatomy of Stroke, Part I: An MRI-Based Topographic and Volumetric System of Analysis, 2549
Anatomy of Stroke, Part II: Volumetric Characteristics With Implications for the Local Architecture of the Cerebral Perfusion System, 2557
Multiparametric MRI ISODATA Ischemic Lesion Analysis: Correlation With the Clinical Neurological Deficit and Single-Parameter MRI Techniques, 2839
Immobilization
Falls, Fractures, and Osteoporosis After Stroke: Time to Think About Protection? 1432
Immune complexes
Increased Circulating Immune Complexes in Acute Stroke: The Triggering Role of *Chlamydia pneumoniae* and Cytomegalovirus, 936
Immune tolerance
Immune Tolerance and Stroke: A Turning Point, 2163
Induction of Mucosal Tolerance to E-Selectin Prevents Ischemic and Hemorrhagic Stroke in Spontaneously Hypertensive Genetically Stroke-Prone Rats, 2156
Immunohistochemistry
Ischemia and Ischemic Tolerance Induction Differentially Regulate Protein Expression of GluR1, GluR2, and AMPA Receptor Binding Protein in the Gerbil Hippocampus: GluR2 (GluR-B) Reduction Does Not Predict Neuronal Death, 1093
Incidence
Do Trends in Population Levels of Blood Pressure and Other Cardiovascular Risk Factors Explain Trends in Stroke Event Rates? Comparisons of 15 Populations in 9 Countries Within the WHO MONICA Stroke Project, 2367
Handicap After Stroke: How Does It Relate to Disability, Perception of Recovery, and Stroke Subtype? The North East Melbourne Stroke Incidence Study (NEMESIS), 762
Incidence and Short-Term Outcome of Cerebral Infarction in Young Adults in Western Norway, 2105
Incidence of Aneurysmal Subarachnoid Hemorrhage in Shimokita, Japan, From 1989 to 1998, 195
Incidence, Manifestations, and Predictors of Brain Infarcts Defined by Serial Cranial Magnetic Resonance Imaging in the Elderly: The Cardiovascular Health Study, 2376
Informal Care for Stroke Survivors: Results From the North East Melbourne Stroke Incidence Study (NEMESIS), 1028
Stroke in the Young in the Northern Manhattan Stroke Study, 2789
Weather, Chinook, and Stroke Occurrence, 1751
Indoles
Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665
Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411
Infant, low birth weight
Altered Vascular Function in Fetal Programming of Hypertension, 2992
Infants
Neonatal Cerebral Infarction Diagnosed by Diffusion-Weighted MRI: Pseudonormalization Occurs Early, 1142
Infarction, cerebral
Sudden Deafness and Anterior Inferior Cerebellar Artery Infarction, 2807
Infarcts
Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985
Effect of Intravenous Gadolinium-DTPA on Diffusion-Weighted Images: Evaluation of Normal Brain and Infarcts, 1799
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492
Infection
Active and Passive Smoking, Chronic Infections, and the Risk of Carotid Atherosclerosis: Prospective Results From the Bruneck Study, 2170
Association Between Influenza Vaccination and Reduced Risk of Brain Infarction, 513

Chlamydia pneumoniae Serology Is Associated With Thrombosis-Related but Not With Plaque-Related Microembolization During Carotid Endarterectomy, 1249
Impact of Infectious Burden on Progression of Carotid Atherosclerosis, 2581
Increased Circulating Immune Complexes in Acute Stroke: The Triggering Role of *Chlamydia pneumoniae* and Cytomegalovirus, 936
Stroke Prevention Therapy Beyond Antithrombotics: Unifying Mechanisms in Ischemic Stroke Pathogenesis and Implications for Therapy: An Invited Review, 862

Inflammation
Active and Passive Smoking, Chronic Infections, and the Risk of Carotid Atherosclerosis: Prospective Results From the Bruneck Study, 2170
Bone Formation in Carotid Plaques: A Clinicopathological Study, 1214
C-Reactive Protein Predicts Progression of Atherosclerosis Measured at Various Sites in the Arterial Tree: The Rotterdam Study, 2750
Course of Platelet Activation Markers After Ischemic Stroke, 2570
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499
Flow Cytometric Analysis of Inflammatory Cells in Ischemic Rat Brain, 586
Inflammation and Stroke: The Leiden 85-Plus Study, 1135
Inflammation, Blood Pressure, and Stroke: An Opportunity to Target Primary Prevention? 2732
Inflammation, Cell Adhesion Molecules, and Stroke: Tools in Pathophysiology and Epidemiology? 2141
Inflammation, Hemostatic Markers, and Antithrombotic Agents in Relation to Long-Term Risk of New Cardiovascular Events in First-Ever Ischemic Stroke Patients, 1763
Inflammation-Mediated Damage in Progressing Lacunar Infarctions: A Potential Therapeutic Target, 982
Long-Term Effects of Inflammation-Sensitive Plasma Proteins and Systolic Blood Pressure on Incidence of Stroke, 2744
Soluble Intercellular Adhesion Molecule-1 and Risk of Future Ischemic Stroke: A Nested Case-Control Study From the Bezafibrate Infarction Prevention (BIP) Study Cohort, 2182
Stroke Prevention Therapy Beyond Antithrombotics: Unifying Mechanisms in Ischemic Stroke Pathogenesis and Implications for Therapy: An Invited Review, 862

Influenza vaccine
Association Between Influenza Vaccination and Reduced Risk of Brain Infarction, 513

Injections, intraventricular
Safety of Intraventricular Sodium Nitroprusside and Thiosulfate for the Treatment of Cerebral Vasospasm in the Intensive Care Unit Setting, 486

Intercellular adhesion molecule-1
Chlamydia pneumoniae Seropositivity Is Associated With Increased Plasma Levels of Soluble Cellular Adhesion Molecules in Community-Dwelling Subjects: The Shimanami Health Promoting Program (J-SHIPP) Study, 1474
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492

Interleukin-6
Carotid Intima-Media Thickness Is Associated With Allelic Variants of Stromelysin-1, Interleukin-6, and Hepatic Lipase Genes: The Northern Manhattan Prospective Cohort Study, 1420

Interleukin-10
Inflammation and Stroke: The Leiden 85-Plus Study, 1135

Interleukins
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499
Intracerebral Hemorrhage Triggers Interleukin-6 and Interleukin-10 Release in Blood, 2334

Intima-media thickness
Carotid Intima-Media Thickness Is Associated With Allelic Variants of Stromelysin-1, Interleukin-6, and Hepatic Lipase Genes: The Northern Manhattan Prospective Cohort Study, 1420
Mutations in the Hemochromatosis Gene (*HFE*) and Stroke, 2363
Plasma Homocysteine Levels and Atherosclerosis in Japan: Epidemiological Study by Use of Carotid Ultrasonography, 2177

Intra-arterial therapy
Acute Intravenous-Intra-Arterial Revascularization Therapy for Severe Ischemic Stroke, 279

Intracerebral hemorrhage
Angioarchitectural Factors Present in Brain Arteriovenous Malformations Associated With Hemorrhagic Presentation, 920
Baseline Blood Pressure but Not Early Computed Tomography Changes Predicts Major Hemorrhage After Streptokinase in Acute Ischemic Stroke, 2236
Cerebral Microbleeds in CADASIL: A Gradient-Echo Magnetic Resonance Imaging and Autopsy Study, 67
Delayed Argatroban Treatment Reduces Edema in a Rat Model of Intracerebral Hemorrhage, 3012
Intracerebral Hemorrhage Triggers Interleukin-6 and Interleukin-10 Release in Blood, 2334
Intracerebral Hemorrhages Associated With Neurointerventional Procedures Using a Combination of Antithrombotic Agents Including Abciximab, 1916
Isolated and Borderline Isolated Systolic Hypertension Relative to Long-Term Risk and Type of Stroke: A 20-Year Follow-Up of the National Health and Nutrition Survey, 2781
Large and Deep Brain Arteriovenous Malformations Are Associated With Risk of Future Hemorrhage, 1220
Low Concentration of Serum Total Cholesterol Is Associated With Multifocal Signal Loss Lesions on Gradient-Echo Magnetic Resonance Imaging: Analysis of Risk Factors for Multifocal Signal Loss Lesions, 2845
Natural History of Perihematomal Edema in Patients With Hyperacute Spontaneous Intracerebral Hemorrhage, 2631
Reduced Risk of Intracerebral Hemorrhage With Dynamic Recreational Exercise but Not With Heavy Work Activity, 559
Relative Edema Volume Is a Predictor of Outcome in Patients With Hyperacute Spontaneous Intracerebral Hemorrhage, 2636
Sex Differences in US Mortality Rates for Stroke and Stroke Subtypes by Race/Ethnicity and Age, 1995-1998, 1197
Silent Cerebral Microbleeds on T2*-Weighted MRI: Correlation with Stroke Subtype, Stroke Recurrence, and Leukoaraiosis, 1536

Intracranial aneurysm
Cellular Responses of Bioabsorbable Polymeric Material and Guglielmi Detachable Coil in Experimental Aneurysms, 1120
Characteristics of Brain Arteriovenous Malformations With Coexisting Aneurysms: A Comparison of Two Referral Centers, 675
Diagnostic Accuracy of Magnetic Resonance Angiography for Cerebral Aneurysms in Correlation With 3D-Digital Subtraction Angiographic Images: A Study of 133 Aneurysms, 1803
Quality of Life, Anxiety, and Depression in Patients With an Untreated Intracranial Aneurysm or Arteriovenous Malformation, 440
Recommendations for the Endovascular Treatment of Intracranial Aneurysms: A Statement for Healthcare Professionals from the Committee on Cerebrovascular Imaging of the American Heart Association Council on Cardiovascular Radiology, 2536

Intracranial atherosclerosis
Cerebral Atherosclerosis as Predictor of Stroke and Mortality in Representative Elderly Population, 224

Intracranial embolism and thrombosis
Chlamydia pneumoniae Serology Is Associated With Thrombosis-Related but Not With Plaque-Related Microembolization During Carotid Endarterectomy, 1249

Intracranial hemorrhages
Characteristics of Brain Arteriovenous Malformations With Coexisting Aneurysms: A Comparison of Two Referral Centers, 675
Hypertensive Pontine Microhemorrhage, 925

Intracranial pressure
Effects of Body Position on Intracranial Pressure and Cerebral Perfusion in Patients With Large Hemispheric Stroke, 497
Effects of Hypertonic (10%) Saline in Patients With Raised Intracranial Pressure After Stroke, 136
Effects of Induced Hypertension on Intracranial Pressure and Flow Velocities of the Middle Cerebral Arteries in Patients With Large Hemispheric Stroke, 998
Intracranial Venous Hemodynamics in Patients With Midline Dislocation Due to Postischemic Brain Edema, 479

Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383

Ion channels

Hypoxic Depolarization of Cerebellar Granule Neurons by Specific Inhibition of TASK-1, 2324

Ischemia

Muscimol Binding to γ-Aminobutyric $Acid_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698

Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI, 103

Changes of Neural Activity Correlate With the Severity of Cortical Ischemia in Patients With Unilateral Major Cerebral Artery Occlusion, 61

Cooling-Induced Carotid Artery Dilatation: An Experimental Study in Isolated Vessels, 256

Effects of Nonpeptide V_1 Vasopressin Receptor Antagonist SR-49059 on Infarction Volume and Recovery of Function in a Focal Embolic Stroke Model, 3033

Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665

Expression of Human Apolipoprotein E Downregulates Amyloid Precursor Protein-Induced Ischemic Susceptibility, 1905

Hypoxic Depolarization of Cerebellar Granule Neurons by Specific Inhibition of TASK-1, 2324

Identifying Patients With Symptomatic Carotid Artery Disease at High and Low Risk of Severe Myocardial Infarction and Cardiac Death, 2413

Inhibition of Factor IX(a) Is Protective in a Rat Model of Thromboembolic Stroke, 578

Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261

Microplasmin: A Novel Thrombolytic That Improves Behavioral Outcome After Embolic Strokes in Rabbits, 2279

Neuroprotective Effects of a Novel Non-Receptor-Binding Estrogen Analogue: In Vitro and In Vivo Analysis, 2485

Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411

Retinal and Optic Nerve Degeneration After Chronic Carotid Ligation: Time Course and Role of Light Exposure, 1107

Selective Vulnerability of the Lumbosacral Spinal Cord After Cardiac Arrest and Hypotension, 116

Stroke Risk Factor Profiles in African American Women: An Interim Report From the African-American Antiplatelet Stroke Prevention Study, 913

The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147

Ischemia, global

Dependence of Early Cerebral Reperfusion and Long-Term Outcome on Resuscitation Efficiency After Cardiac Arrest in Rats, 837

Ischemic attack, transient

Hemodynamic and Metabolic Changes in Transient Ischemic Attack Patients: A Magnetic Resonance Angiography and ^{1}H-Magnetic Resonance Spectroscopy Study Performed Within 3 Days of Onset of a Transient Ischemic Attack, 110

Risk Factors for Progression of Aortic Atheroma in Stroke and Transient Ischemic Attack Patients, 930

Temporal Profile of Enhanced Vulnerability of the Postthrombotic Brain to Secondary Embolic Events, 1113

Validation of a Weight-Based Nomogram for the Use of Intravenous Heparin in Transient Ischemic Attack or Stroke, 670

Ischemic preconditioning

Ischemia and Ischemic Tolerance Induction Differentially Regulate Protein Expression of GluR1, GluR2, and AMPA Receptor Binding Protein in the Gerbil Hippocampus: GluR2 (GluR-B) Reduction Does Not Predict Neuronal Death, 1093

Temporal Profile of Enhanced Vulnerability of the Postthrombotic Brain to Secondary Embolic Events, 1113

J

Jurisprudence

Use of Intravenous Heparin by North American Neurologists: Do the Data Matter? 1574

K

Kinins

Biochemical Basis of Angioedema Associated With Recombinant Tissue Plasminogen Activator Treatment: An In Vitro Experimental Approach, 1712

L

Lactates

Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251

Lacunar infarction

Association of Plasma Homocysteine Concentration With Atherosclerotic Carotid Plaques and Lacunar Infarction, 1493

Carotid Artery Intima-Media Thickness and Lacunar Versus Nonlacunar Infarcts, 689

Inflammation-Mediated Damage in Progressing Lacunar Infarctions: A Potential Therapeutic Target, 982

Lacunar Stroke Is the Major Cause of Progressive Motor Deficits, 1510

Randomized Controlled Study of Stroke Unit Care Versus Stroke Team Care in Different Stroke Subtypes, 449

Small Centrum Ovale Infarcts on Diffusion-Weighted Magnetic Resonance Imaging, 1541

Twenty-four-Hour Blood Pressure and MRI as Predictive Factors for Different Outcomes in Patients With Lacunar Infarct, 297

Two Types of Lacunar Infarcts: Further Arguments From a Study on Prognosis, 2072

Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443

Large-vessel infarct

Randomized Controlled Study of Stroke Unit Care Versus Stroke Team Care in Different Stroke Subtypes, 449

Laser

Cerebral Blood Flow Restoration and Reperfusion Injury After Ultraviolet Laser-Facilitated Middle Cerebral Artery Recanalization in Rat Thrombotic Stroke, 428

Excimer Laser-Assisted High-Flow Extracranial/Intracranial Bypass in Patients With Symptomatic Carotid Artery Occlusion at High Risk of Recurrent Cerebral Ischemia: Safety and Long-Term Outcome, 2451

Lateral sinus thrombosis

Mastoid Air Sinus Abnormalities Associated With Lateral Venous Sinus Thrombosis: Cause or Consequence? 290

LDL cholesterol

Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174

Letters to the editor

Age-Adjusted Stroke Incidence Increase: Could Angiotensin AT_1 Receptor Antagonists Enhance Stroke Prevention? Letter, 881

Alzheimer Disease as a Vascular Disorder: Nosological Evidence. Letter, 2147. Response, 2148

Ambulatory Carotid Stenting in Patients With Asymptomatic Carotid Artery Stenosis. Letter, 1168

An Unjustified Return to the Past. Letter, 879. Response, 880

Aspirin Versus Low-Molecular-Weight Heparin for Ischemic Stroke in Children: An Unanswered Question. Letter, 1947. Response, 1947

Blood Pressure and Clinical Outcome in Acute Ischemic Stroke. Letter, 2548. Response, 2548

Body Temperature in Acute Stroke. Letter, 2154. Response, 2155

C-Reactive Protein in Ischemic Stroke. Letter, 2146. Response, 2146

Can Microembolic Signals Identify Unstable Plaques Affecting Symptomatology in Carotid Stenosis? Letter, 1744. Response, 1745

Cardiac Enzyme Elevations After Stroke: The Importance of Specificity. Letter, 1944. Response, 1944
Cerebral Atherosclerosis and Coronary Calcification. Letter, 2345. Response, 2346
Cerebral Atherosclerosis Causes Neurogenic Hypertension. Letter, 1180. Response, 1181
Cholesterol and Carotid Stenosis. Letter, 321. Response, 321
Clopidogrel Plus Aspirin for Stroke Prevention. Letter, 2546. Response, 2547
Conjugate Eye Deviation With Head Version due to a Cortical Infarction of the Frontal Eye Field. Letter, 642
Crossed Nonaphasia in a Dextral With Left Hemispheric Lesions: Handedness Technically Defined. Letter, 1749. Response, 1750
CT or MRI for Imaging Patients With Acute Stroke: Visualization of "Tissue at Risk"? Letter, 2736. Response, 2736
Diagnosis of Basilar Artery Vasospasm. Letter, 1746. Response, 1747
Diurnal Variation in the Intensity of Anticoagulation in Atrial Fibrillation. Letter, 322. Response, 323
Does the Weather Influence Stroke Incidence? 1757
Drugs and Recovery: A Challenge for a Few? Letter, 1170. Response, 1170
Effect of Age on Cerebral Blood Flow Velocity in Patients After Aneurysmal Subarachnoid Hemorrhage. Letter, 640. Response, 641
Evaluation of Risk Factors for Stroke/Embolism and of Complications *Due to Anticoagulant Therapy in Atrial Fibrillation. Letter,* 2150. Response, 2151
Global Cerebral Edema After Subarachnoid Hemorrhage. Letter, 2153. Response, 2154
Helicobacter pylori, CagA-Positive Strains, and Ischemic Stroke. *Letter, 1453. Response, 1453*
High Plasma Brain Natriuretic Peptide Level in Thromboembolism Patients Associated With Nonvalvular Atrial Fibrillation: Cause or Effect? Letter, 1943. Response, 1943
Hyperhomocysteinemia, *MTHFR* 677C→T Polymorphism, and Stroke. Letter, 1452. Response, 1452
Influenza Virus Infection, Infectious Burden, and Atherosclerosis. *Letter, 1454*
Is Ambulatory Carotid Stenting Safe? Too Early to Say. Letter, 1169. Response, 1169
Laterality of Ruptured Aneurysm Has No Influence on QT Prolongation After Subarachnoid Hemorrhage. Letter, 1167. Response, *1168*
Long-Term Outcome in Stroke Patients and Caregivers Following *Accelerated Hospital Discharge and Home-Based Rehabilitation.* Letter, 643
Microbleeding on MRI as a Marker for Hemorrhage After Stroke Thrombolysis. Letter, 1457
MRI: The New Gold Standard for Detecting Brain Hemorrhage? *Letter, 1748*
Multimodal CT Imaging in Acute Stroke. Letter, 1946. Response, 1946
Multiple Panel of Biomarkers for TIA/Stroke Evaluation. Letter, 1181
Nitric Oxide May Contribute to the Long-Term Impairment of *Synaptic Transmission After Transient Ischemia. Letter, 2348.* Response, 2349
Outcomes in Carotid Endarterectomy Performed by Vascular Surgeons or Neurosurgeons. Letter, 1458. Response, 1458
Parallel Morning and Evening Surge in Stroke Onset, Blood Pressure, and Physical Activity. Letter, 2346. Response, 2346
Patient Selection for Carotid Angioplasty and Stenting. Letter, 2347. *Response, 2348*
Prevalence and Risk Factors of Silent Brain Infarcts in the Population. Letter, 1179. Response, 1179
Progressive Stroke, Lacunae, and Systemic Blood Pressure. Letter, 2735. Response, 2735
Race and Sex Differences in the Effects of Dietary Potassium Intake on the Risk of Stroke. Letter, 1178. Response, 1178
Re: *Clinical and Imaging Findings in Cryptogenic* Stroke Patients With and Without Patent Foramen Ovale. Letter, 2149. Response, 2150
Re: Crossed Nonaphasia in a Dextral With Left Hemispheric Lesions: A Functional Magnetic Resonance Imaging Study of Mirrored Brain Organization. Letter, 878. Response, 878
Re: Does Acupuncture Have Additional Value to Standard Poststroke Motor Rehabilitation? Letter, 1744. Response, 1744
Re: Feasibility and Safety of Moderate Hypothermia After Massive Hemispheric Infarction. Letter, 877. Response, 877
Re: Randomized Controlled Study of Stroke Unit Versus Stroke Team Care in Different Stroke Subtypes. Letter, 1740. Response, 1741
Re: Randomized Controlled Study of Stroke Unit Versus Stroke Team Care in Different Stroke Subtypes. Letter, 1741. Response, 1741
Re: Role of Endothelial Nitric Oxide and Smooth Muscle Potassium Channels in Cerebral Arteriolar Dilation in Response to Acidosis. Letter, 1742. Response, 1742
Re: Safety of Intraventricular Sodium Nitroprusside and Thiosulfate for the Treatment of Cerebral Vasospasm in the Intensive Care Unit Setting. Letter, 1165. Response, 1165
Re: Slowly Activating Potassium Conductance (I_D): A Potential Target for Stroke Therapy. Letter, 1164. Response, 1164
Re: Stroke Therapy Academic Industry Roundtable II (STAIR-II). Letter, 639. Response, 640
Reasons Why Stroke Trials Underestimate the Neuroprotective Effects of Drugs. Letter, 324
Recurrent Cerebral Venous Thrombosis in a 24-Year-Old Puerperal Woman. Letter, 2148. Response, 2149
Risk Factors for Aneurysmal Subarachnoid Hemorrhage. Letter, 2152. Response, 2152
Serum Gamma-Glutamyltransferase as a Risk Factor of Ischemic *Stroke Might Be Independent of Alcohol Consumption. Letter,* 1163
"Spontaneous" Cervical Arterial Dissection. Letter, 1945. Response, 1945
Systematic Review of Nimodipine. Letter, 639
Testing the ICH Score. Letter, 1455. Response, 1455
The Unusually Shaped Bifrontal Hematoma. Letter, 876
The Way Out. Letter, 1948. Response, 1949
Timeless. Letter, 1743. Response, 1743
Use of Hypertonic Saline in Ischemic Stroke. Letter, 1166. Response, 1167
Vascular Complications of Cocaine Use. Letter, 1747. Response, 1748
When Is a Stroke Actually "Stable"? Letter, 1456. Response, 1456
Worsening in Ischemic Stroke Patients: Supplementary Activation of *Cerebral Hemodynamic With EC/IC Bypass. Letter, 2734. Re*sponse, 2734

Leukoaraiosis
Incidence, Manifestations, and Predictors of Brain Infarcts Defined by Serial Cranial Magnetic Resonance Imaging in the Elderly: The Cardiovascular Health Study, 2376
Leukoaraiosis, Ischemic Stroke, and Normal White Matter on *Diffusion-Weighted MRI,* 45
Prognostic Importance of Leukoaraiosis in Patients With Symptomatic Internal Carotid Artery Stenosis, 1651
Visual Rating Scales for Age-Related White Matter Changes (Leukoaraiosis): Can the Heterogeneity Be Reduced? 2827

Leukocytes
Chlamydia pneumoniae in Carotid Artery Atherosclerosis: A Comparison of Its Presence in Atherosclerotic Plaque, Healthy Vessels, and Circulating Leukocytes From the Same Individuals, 2756
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492

Lifestyle
Association Between Behavior-Dependent Cardiovascular Risk Factors and Asymptomatic Carotid Atherosclerosis in a General Population, 2929
Cessation of Smoking After First-Ever Stroke: A Follow-Up Study, 2263

Linoleic acid
Linoleic Acid, Other Fatty Acids, and the Risk of Stroke, 2086

Lipase
Carotid Intima-Media Thickness Is Associated With Allelic Variants of Stromelysin-1, Interleukin-6, and Hepatic Lipase Genes: The Northern Manhattan Prospective Cohort Study, 1420

Lipoproteins
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174

Lipoproteins, HDL cholesterol
Adjustment in the Anger-Stroke Relationship: how Far Should One Go? 19
The Association Between Trait Anger and Incident Stroke Risk: The Atherosclerosis Risk in Communities (ARIC) Study, 13
Lipoproteins, LDL cholesterol
Association Between Carotid Intima-Media Thickness and Low-Density Lipoprotein Size and Susceptibility of Low-Density Lipoprotein to Oxidation in Asymptomatic Members of Familial Combined Hyperlipidemia Families, 1255
Autoantibodies Against Oxidatively Modified Lipoproteins and Progression of Carotid Restenosis After Carotid Endarterectomy, 1139
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174

M

Magnetic resonance angiography
Contrast-Enhanced Magnetic Resonance Angiography of Carotid Arteries: Utility in Routine Clinical Practice, 2834
Diagnostic Accuracy of Magnetic Resonance Angiography for Cerebral Aneurysms in Correlation With 3D-Digital Subtraction Angiographic Images: A Study of 133 Aneurysms, 1803
Hemodynamic and Metabolic Changes in Transient Ischemic Attack Patients: A Magnetic Resonance Angiography and ^{1}H-Magnetic Resonance Spectroscopy Study Performed Within 3 Days of Onset of a Transient Ischemic Attack, 110
High-Resolution, Contrast-Enhanced Magnetic Resonance Angiography With Elliptical Centric k-Space Ordering of Supra-aortic Arteries Compared With Selective X-Ray Angiography, 1522
Lack of Evidence for Pulmonary Venous Thrombosis in Cryptogenic Stroke: A Magnetic Resonance Angiography Study, 1416
Magnetic Resonance Angiography in Childhood Arterial Brain Infarcts: A Comparative Study With Contrast Angiography, 1280
Preoperative Diagnosis of Carotid Artery Stenosis: Accuracy of Noninvasive Testing, 2003
Magnetic resonance imaging
A Pilot Study of Event-Related Functional Magnetic Resonance Imaging of Monitored Wrist Movements in Patients With Partial Recovery, 2881
Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis: A Diffusion-Weighted Magnetic Resonance Imaging Study, 1267
Anatomy of Stroke, Part I: An MRI-Based Topographic and Volumetric System of Analysis, 2549
Anatomy of Stroke, Part II: Volumetric Characteristics With Implications for the Local Architecture of the Cerebral Perfusion System, 2557
Bilateral Symmetry of Human Carotid Artery Atherosclerosis, 2575
Brain Representation of Hemifield Stimulation in Poststroke Visual Field Defects, 1286
Cerebral Blood Flow Predicts Lesion Growth in Acute Stroke Patients, 2421
Cerebrovascular Disease and Evolution of Depressive Symptoms in the Cardiovascular Health Study, 1636
Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066
Dependence of Early Cerebral Reperfusion and Long-Term Outcome on Resuscitation Efficiency After Cardiac Arrest in Rats, 837
Diffusion-Weighted MRI: Back to the Future, 2204
Effect of Intravenous Gadolinium-DTPA on Diffusion-Weighted Images: Evaluation of Normal Brain and Infarcts, 1799
Effect of Intravenous Thrombolysis on MRI Parameters and Functional Outcome in Acute Stroke <6 Hours, 2438
Examining the Lacunar Hypothesis With Diffusion and Perfusion Magnetic Resonance Imaging, 2019
Functional Reorganization of Motor Cortex Increases With Greater Axonal Injury From CADASIL, 502
High-Resolution, Contrast-Enhanced Magnetic Resonance Angiography With Elliptical Centric k-Space Ordering of Supra-aortic Arteries Compared With Selective X-Ray Angiography, 1522
Hypertensive Pontine Microhemorrhage, 925
Incidence, Manifestations, and Predictors of Brain Infarcts Defined by Serial Cranial Magnetic Resonance Imaging in the Elderly: The Cardiovascular Health Study, 2376
Increased Anisotropy in Acute Stroke: A Possible Explanation, 1517
Is the Association of National Institutes of Health Stroke Scale Scores and Acute Magnetic Resonance Imaging Stroke Volume Equal for Patients With Right- and Left-Hemisphere Ischemic Stroke? 954
Longitudinal Study of Motor Recovery After Stroke: Recruitment and Focusing of Brain Activation, 1610
Low Concentration of Serum Total Cholesterol Is Associated With Multifocal Signal Loss Lesions on Gradient-Echo Magnetic Resonance Imaging: Analysis of Risk Factors for Multifocal Signal Loss Lesions, 2845
Magnetic Resonance Imaging Detection of Microbleeds Before Thrombolysis: An Emerging Application, 95
Magnetic Resonance Perfusion-Weighted Imaging of Acute Cerebral Infarction: Effect of the Calculation Methods and Underlying Vasculopathy, 87
Mastoid Air Sinus Abnormalities Associated With Lateral Venous Sinus Thrombosis: Cause or Consequence? 290
Mesencephalic and Associated Posterior Circulation Infarcts, 2224
Monitoring Disease Progression in CADASIL With Diffusion Magnetic Resonance Imaging: A Study With Whole Brain Histogram Analysis, 2902
MRI Evaluation and Functional Assessment of Brain Injury After Hypoxic Ischemia in Neonatal Mice, 1405
Multiparametric MRI ISODATA Ischemic Lesion Analysis: Correlation With the Clinical Neurological Deficit and Single-Parameter MRI Techniques, 2839
Near-Infrared Spectroscopic Topography as a Tool to Monitor Motor Reorganization After Hemiparetic Stroke: A Comparison With Functional MRI, 2032
Neuroprotection by Selective Nitric Oxide Synthase Inhibition at 24 Hours After Perinatal Hypoxia-Ischemia, 2304
Neuroprotective Effect of Delayed Moderate Hypothermia After Focal Cerebral Ischemia: An MRI Study, 1899
New Insights Into Brain Damage in Stroke-Prone Rats: A Nuclear Magnetic Imaging Study, 825
Old Microbleeds Are a Potential Risk Factor for Cerebral Bleeding After Ischemic Stroke: A Gradient-Echo T2*-Weighted Brain MRI Study, 735
Poly(ADP-Ribose) Polymerase Impairs Early and Long-Term Experimental Stroke Recovery, 1101
Prediction of Early Neurological Deterioration Using Diffusion- and Perfusion-Weighted Imaging in Hyperacute Middle Cerebral Artery Ischemic Stroke, 2197
Prediction of Hemorrhagic Transformation After Thrombolytic Therapy of Clot Embolism: An MRI Investigation in Rat Brain, 1392
Prevalence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study, 21
Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke: Assumptions, Limitations, and Potential Implications for Clinical Use, 1146
Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model, 2100
Severe ADC Decreases Do Not Predict Irreversible Tissue Damage In Humans, 79
Silent Cerebral Microbleeds on T2*-Weighted MRI: Correlation with Stroke Subtype, Stroke Recurrence, and Leukoaraiosis, 1536
The Stroke Patient Who Woke Up: Clinical and Radiological Features, Including Diffusion and Perfusion MRI, 988
Thrombolytic Treatment of Clot Embolism in Rat: Comparison of Intra-arterial and Intravenous Application of Recombinant Tissue Plasminogen Activator, 2999
Variability in Midlife Systolic Blood Pressure Is Related to Late-Life Brain White Matter Lesions: The Honolulu-Asia Aging Study, 26
Visual Rating Scales for Age-Related White Matter Changes (Leukoaraiosis): Can the Heterogeneity Be Reduced? 2827
Magnetic resonance imaging, diffusion-weighted
Comparison of CT and CT Angiography Source Images With Diffusion-Weighted Imaging in Patients With Acute Stroke Within 6 Hours After Onset, 2426

Correlation of Apparent Diffusion Coefficient and Computed Tomography Density in Acute Ischemic Stroke, 1786
CT and Diffusion-Weighted MR Imaging in Randomized Order: Diffusion-Weighted Imaging Results in Higher Accuracy and Lower Interrater Variability in the Diagnosis of Hyperacute Ischemic Stroke, 2206
Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging of the Brain Before and After Coronary Artery Bypass Grafting Surgery, 2909
Is CT or MRI the Method of Choice for Imaging Patients With Acute Stroke? Why Should Men Divide if Fate Has United? 2144
Leukoaraiosis, Ischemic Stroke, and Normal White Matter on Diffusion-Weighted MRI, 45
Neonatal Cerebral Infarction Diagnosed by Diffusion-Weighted MRI: Pseudonormalization Occurs Early, 1142
Predictors of Hemorrhagic Transformation After Intravenous Recombinant Tissue Plasminogen Activator: Prognostic Value of the Initial Apparent Diffusion Coefficient and Diffusion-Weighted Lesion Volume, 2047
Prognostic Relevance of Early Serial C-Reactive Protein Measurements After First Ischemic Stroke, 2459
Small Centrum Ovale Infarcts on Diffusion-Weighted Magnetic Resonance Imaging, 1541

Magnetic resonance imaging, functional
Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI, 103

Magnetic resonance imaging, perfusion-weighted
Cerebral Perfusion and Cerebrovascular Reactivity Are Reduced in White Matter Hyperintensities, 972
Comparison Between Echo Contrast Agent-Specific Imaging Modes and Perfusion-Weighted Magnetic Resonance Imaging for the Assessment of Brain Perfusion, 2433
Detection of Deoxygenation-Related Signal Change in Acute Ischemic Stroke Patients by T2*-Weighted Magnetic Resonance Imaging, 967
Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging of the Brain Before and After Coronary Artery Bypass Grafting Surgery, 2909

Magnetic resonance spectroscopy
Hemodynamic and Metabolic Changes in Transient Ischemic Attack Patients: A Magnetic Resonance Angiography and ^{1}H-Magnetic Resonance Spectroscopy Study Performed Within 3 Days of Onset of a Transient Ischemic Attack, 110
Regional Cerebral Blood Flow and Magnetic Resonance Spectroscopic Imaging Findings in Diaschisis From Stroke, 1243

Marfan syndrome
Neurovascular Complications of Marfan Syndrome: A Retrospective, Hospital-Based Study, 680

Mastoiditis
Mastoid Air Sinus Abnormalities Associated With Lateral Venous Sinus Thrombosis: Cause or Consequence? 290

Mechanical heart valve protheses
Automatic Online Embolus Detection and Artifact Rejection With the First Multifrequency Transcranial Doppler, 1969
Online Automatic Discrimination Between Solid and Gaseous Cerebral Microemboli With the First Multifrequency Transcranial Doppler, 1975

Memantine
Efficacy and Safety of Memantine in Patients With Mild to Moderate Vascular Dementia: A Randomized, Placebo-Controlled Trial (MMM 300), 1834

Menstrual cycle
Safety of Tissue Plasminogen Activator for Acute Stroke in Menstruating Women, 2506

Menstruation
Safety of Tissue Plasminogen Activator for Acute Stroke in Menstruating Women, 2506

Mesencephalon
Mesencephalic and Associated Posterior Circulation Infarcts, 2224

Meta-analysis
Does Acupuncture Improve Motor Recovery After Stroke? A Meta-Analysis of Randomized Controlled Trials, 2604
Low-Molecular-Weight Heparins or Heparinoids Versus Standard Unfractionated Heparin for Acute Ischemic Stroke (Cochrane Review), 1925

Metalloproteinases
Blood-Brain Barrier Disruption and Matrix Metalloproteinase-9 Expression During Reperfusion Injury: Mechanical Versus Embolic Focal Ischemia in Spontaneously Hypertensive Rats, 2711
Matrix Metalloproteinase-1 and Matrix Metalloproteinase-3 Gene Promoter Polymorphisms Are Associated With Carotid Artery Stenosis, 2408
Prospective, Randomized, Double-Blind Trial Investigating the Effect of Doxycycline on Matrix Metalloproteinase Expression Within Atherosclerotic Carotid Plaques, 2858

Methylenetetrahydrofolate reductase
Plasma Homocysteine Concentration, C677T *MTHFR* Genotype, and 844ins68bp *CBS* Genotype in Young Adults With Spontaneous Cervical Artery Dissection and Atherothrombotic Stroke, 664
Spontaneous Cervical Artery Dissection: From Risk Factors Toward Pathogenesis, 657

Mice
Attenuation of Cerebral Vasospasm After Subarachnoid Hemorrhage in Mice Overexpressing Extracellular Superoxide Dismutase, 2317
Mouse Model of Cerebral Aneurysm: Experimental Induction by Renal Hypertension and Local Hemodynamic Changes, 1911
MRI Evaluation and Functional Assessment of Brain Injury After Hypoxic Ischemia in Neonatal Mice, 1405
Poly(ADP-Ribose) Polymerase Impairs Early and Long-Term Experimental Stroke Recovery, 1101
Quantitative and Qualitative Impairments in Skilled Reaching in the Mouse (*Mus musculus*) After a Focal Motor Cortex Stroke, 1869
Simvastatin Increases Endothelial Nitric Oxide Synthase and Ameliorates Cerebral Vasospasm Resulting From Subarachnoid Hemorrhage, 2950
Social Stress Exacerbates Focal Cerebral Ischemia in Mice, 1660

Mice, transgenic
Attenuation of Cerebral Vasospasm After Subarachnoid Hemorrhage in Mice Overexpressing Extracellular Superoxide Dismutase, 2317
Manganese Superoxide Dismutase Deficiency Exacerbates Cerebral Infarction After Focal Cerebral Ischemia/Reperfusion in Mice: Implications for the Production and Role of Superoxide Radicals, 809

Microbleeds
Old Microbleeds Are a Potential Risk Factor for Cerebral Bleeding After Ischemic Stroke: A Gradient-Echo T2*-Weighted Brain MRI Study, 735

Microcirculation
Alzheimer Disease as a Vascular Disorder: Nosological Evidence, 1152
Mechanism of Extracellular K^{+}-Induced Local and Conducted Responses in Cerebral Penetrating Arterioles, 2692
Penumbral Microcirculatory Changes Associated With Peri-infarct Depolarizations in the Rat, 606
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492
Role of Endothelial Nitric Oxide and Smooth Muscle Potassium Channels in Cerebral Arteriolar Dilation in Response to Acidosis, 844

Microdialysis
Effects of Hypothermia on Excitatory Amino Acids and Metabolism in Stroke Patients: A Microdialysis Study, 519
Release of Fatty Acid Amides in a Patient With Hemispheric Stroke: A Microdialysis Study, 2112

Microglia
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499
Dendritic Cells Are Present in Ischemic Brain After Permanent Middle Cerebral Artery Occlusion in the Rat, 1129
Flow Cytometric Analysis of Inflammatory Cells in Ischemic Rat Brain, 586

Microscopy, electron
Ultrastructural Changes of Neuronal Mitochondria After Transient and Permanent Cerebral Ischemia, 816
Ultrastructural Connective Tissue Aberrations in Patients With Intracranial Aneurysms, 2192

Microscopy, fluorescence
Penumbral Microcirculatory Changes Associated With Peri-infarct Depolarizations in the Rat, 606
Midazolam
Reemergence of Stroke Deficits With Midazolam Challenge, 283
Middle cerebral artery
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Cerebral Ischemia Upregulates Vascular Endothelin ET_B Receptors in Rat, 2311
Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066
Direct Percutaneous Transluminal Angioplasty for Acute Middle Cerebral Artery Trunk Occlusion: An Alternative Option to Intra-arterial Thrombolysis, 2872
Effects of Body Position on Intracranial Pressure and Cerebral Perfusion in Patients With Large Hemispheric Stroke, 497
High Rate of Recanalization of Middle Cerebral Artery Occlusion During 2-MHz Transcranial Color-Coded Doppler Continuous Monitoring Without Thrombolytic Drug, 626
Middle Cerebral Artery Function After Stroke: The Threshold Duration of Reperfusion for Myogenic Activity, 2094
Possible Determinants of Early Microembolism After Carotid Endarterectomy, 2082
Source of Microembolic Signals in Patients With High-Grade Carotid Stenosis, 2014
Middle cerebral artery occlusion
Albumin Therapy of Transient Focal Cerebral Ischemia: In Vivo Analysis of Dynamic Microvascular Responses, 1077
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Effects of Implantation Site of Stem Cell Grafts on Behavioral Recovery From Stroke Damage, 2270
New Insights Into Brain Damage in Stroke-Prone Rats: A Nuclear Magnetic Imaging Study, 825
Mitochondria
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261
Ultrastructural Changes of Neuronal Mitochondria After Transient and Permanent Cerebral Ischemia, 816
Mitogen-activated protein kinases
Inhibitory Effect With Antisense Mitogen-Activated Protein Kinase Oligodeoxynucleotide Against Cerebral Vasospasm in Rats, 775
Models, animal
Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123
Models, statistical
Combined Clinical and Imaging Information as an Early Stroke Outcome Measure, 466
Predicting Outcome After Acute and Subacute Stroke: Development and Validation of New Prognostic Models, 1041
Monitoring, ambulatory
Parallel Morning and Evening Surge in Stroke Onset, Blood Pressure, and Physical Activity, 1480
Monkeys
Comparison of Tibolone and Conjugated Equine Estrogens Effects on Carotid Artery Atherosclerosis of Postmenopausal Monkeys, 2700
Monocyte chemoattractant protein-1
Chlamydia pneumoniae Seropositivity Is Associated With Increased Plasma Levels of Soluble Cellular Adhesion Molecules in Community-Dwelling Subjects: The Shimanami Health Promoting Program (J-SHIPP) Study, 1474
Mortality
A Population-Based Study of Brain Arteriovenous Malformation: Long-Term Treatment Outcomes, 2794
Admission Body Temperature Predicts Long-Term Mortality After Acute Stroke: The Copenhagen Stroke Study, 1759
Air Pollution: A New Risk Factor in Ischemic Stroke Mortality, 2165
Body Height Is Associated With Decreased Long-Term Stroke but Not Coronary Heart Disease Mortality? 743
Cerebral Atherosclerosis as Predictor of Stroke and Mortality in Representative Elderly Population, 224
Do Trends in Population Levels of Blood Pressure and Other Cardiovascular Risk Factors Explain Trends in Stroke Event Rates? Comparisons of 15 Populations in 9 Countries Within the WHO MONICA Stroke Project, 2367
Global Cerebral Edema After Subarachnoid Hemorrhage: Frequency, Predictors, and Impact on Outcome, 1225
Guideline Compliance Improves Stroke Outcome: A Preliminary Study in 4 Districts in the Italian Region of Lombardia, 1341
New Considerations in Analyzing Stroke and Heart Disease Mortality Trends: The Year 2000 Age Standard and the *International Statistical Classification of Diseases and Related Health Problems, 10th Revision*, 1717
Previous and Incident Dementia as Risk Factors for Mortality in Stroke Patients, 1993
Relative Edema Volume Is a Predictor of Outcome in Patients With Hyperacute Spontaneous Intracerebral Hemorrhage, 2636
Stroke in the Young in the Northern Manhattan Stroke Study, 2789
Trends in Stroke Mortality: The Impact of the Year 2000 Age Standard and the *International Statistical Classification of Diseases and Related Health Problems, 10th Revision*, 1722
Motivation
The Concept of Patient Motivation: A Qualitative Analysis of Stroke Professionals' Attitudes, 444
Motor activity
A Pilot Study of Event-Related Functional Magnetic Resonance Imaging of Monitored Wrist Movements in Patients With Partial Recovery, 2881
Functional Reorganization of Motor Cortex Increases With Greater Axonal Injury From CADASIL, 502
Lacunar Stroke Is the Major Cause of Progressive Motor Deficits, 1510
Longitudinal Study of Motor Recovery After Stroke: Recruitment and Focusing of Brain Activation, 1610
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443
Motor cortex
Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI, 103
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369
Quantitative and Qualitative Impairments in Skilled Reaching in the Mouse (*Mus musculus*) After a Focal Motor Cortex Stroke, 1869
Movement
Longitudinal Study of Motor Recovery After Stroke: Recruitment and Focusing of Brain Activation, 1610
Moyamoya disease
Predominant Involvement of Ipsilateral Anterior and Posterior Circulations in Moyamoya Disease, 1497
Muscle, skeletal
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589
Muscle, smooth, vascular
Ca^{2+} Sparks and Their Function in Human Cerebral Arteries, 802
Myocardial infarction
Creatine Kinase-MB Elevation After Stroke Is Not Cardiac in Origin: Comparison With Troponin T Levels, 286
Occurrence of Secondary Ischemic Events Among Persons With Atherosclerotic Vascular Disease, 901

N

***N*-methyl-D-aspartate**
Efficacy and Safety of Memantine in Patients With Mild to Moderate Vascular Dementia: A Randomized, Placebo-Controlled Trial (MMM 300), 1834
NADPH oxidase
Vascular NAD(P)H Oxidase Triggers Delayed Cerebral Vasospasm After Subarachnoid Hemorrhage in Rats, 2687

Natriuretic peptide, brain
High Plasma Brain Natriuretic Polypeptide Level as a Marker of Risk for Thromboembolism in Patients With Nonvalvular Atrial Fibrillation, 1005
Natural history
Clinical Course of Cranial Dural Arteriovenous Fistulas With Long-Term Persistent Cortical Venous Reflux, 1233
Natural History of Perihematomal Edema in Patients With Hyperacute Spontaneous Intracerebral Hemorrhage, 2631
Neglect, Neuropsychology
Spatial Neglect: Is Rehabilitation Effective? 2728
Neonate
Hypoxic-Ischemic Injury Induces Macrophage Inflammatory Protein-1α Expression in Immature Rat Brain, 795
Neoplasm
Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis: A Diffusion-Weighted Magnetic Resonance Imaging Study, 1267
Nerve tissue protein S-100
AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813
Neurilemmoma
Cerebral Infarction Due to Carotid Occlusion Caused by Cervical Vagal Neurilemmoma: Report of a Case, 1428
Neurogenesis
Sildenafil (Viagra) Induces Neurogenesis and Promotes Functional Recovery After Stroke in Rats, 2675
Neurological deficits
Key Neurological Impairments Influence Function-Related Group Outcomes After Stroke, 1920
Neurology
CT Angiography in Acute Ischemic Stroke: Preliminary Results, 276
Neuron-specific enolase
AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813
Neuronal damage
Different Mechanisms of Secondary Neuronal Damage in Thalamic Nuclei After Focal Cerebral Ischemia in Rats, 3006
Oxidative Stress in Rats With Heatstroke-Induced Cerebral Ischemia, 790
Neuronal death
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261
Neuronal plasticity
Endogenous Dopamine Amplifies Ischemic Long-Term Potentiation via D1 Receptors, 2978
Near-Infrared Spectroscopic Topography as a Tool to Monitor Motor Reorganization After Hemiparetic Stroke: A Comparison With Functional MRI, 2032
Neurons
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261
Neuropeptides
NAP, a Femtomolar-Acting Peptide, Protects the Brain Against Ischemic Injury by Reducing Apoptotic Death, 1085
Neuroprotection
Muscimol Binding to γ-Aminobutyric Acid$_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698
Acute Stroke Trials: Strengthening the Underpowered, 1450
Albumin Therapy of Transient Focal Cerebral Ischemia: In Vivo Analysis of Dynamic Microvascular Responses, 1077
Blood-Brain Barrier Disruption and Matrix Metalloproteinase-9 Expression During Reperfusion Injury: Mechanical Versus Embolic Focal Ischemia in Spontaneously Hypertensive Rats, 2711
Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): Final Results, 122
Clomethiazole: An Unsuccessful Bachelor, but Perhaps a Prosperous Married Man? 128
Cooling-Induced Carotid Artery Dilatation: An Experimental Study in Isolated Vessels, 256
Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665
Hemoglobin-Induced Cytotoxicity in Rat Cerebral Cortical Neurons: Caspase Activation and Oxidative Stress, 1882
Heterogeneity of Stroke Pathophysiology and Neuroprotective Clinical Trial Design, 1545
Microplasmin: A Novel Thrombolytic That Improves Behavioral Outcome After Embolic Strokes in Rabbits, 2279
NAP, a Femtomolar-Acting Peptide, Protects the Brain Against Ischemic Injury by Reducing Apoptotic Death, 1085
Neuroprotection and P450 2C11 Upregulation After Experimental Transient Ischemic Attack, 1677
Neuroprotection by Selective Nitric Oxide Synthase Inhibition at 24 Hours After Perinatal Hypoxia-Ischemia, 2304
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs, 306
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs: An Opposing View, 308
Neuroprotection: Establishing Proof of Concept in Human Stroke, 309
Neuroprotective Effects of a Novel Non-Receptor-Binding Estrogen Analogue: In Vitro and In Vivo Analysis, 2485
Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411
Oral Citicoline in Acute Ischemic Stroke: An Individual Patient Data Pooling Analysis of Clinical Trials, 2850
The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147
Tolerance Against Ischemic Neuronal Injury Can Be Induced by Volatile Anesthetics and Is Inducible NO Synthase Dependent, 1889
Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123
Neuropsychology
Neuropsychological Predictors of Incident Dementia in Patients With Vascular Cognitive Impairment, Without Dementia, 1999
Vascular Aphasias: Main Characteristics of Patients Hospitalized in Acute Stroke Units, 702
Neurosurgery
Blood Use in Cerebrovascular Neurosurgery, 994
Neurosurgical procedures
Increased Risk for Postoperative Hemorrhage After Intracranial Surgery in Patients With Decreased Factor XIII Activity: Implications of a Prospective Study, 1618
Neurotoxins
AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813
Newborn
MRI Evaluation and Functional Assessment of Brain Injury After Hypoxic Ischemia in Neonatal Mice, 1405
NF-kappa B
ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471
Nicardipine
Efficacy and Safety of Nicardipine Prolonged-Release Implants for Preventing Vasospasm in Humans, 1011
Nitric oxide
Altered Vascular Function in Fetal Programming of Hypertension, 2992
Combined Endothelial Nitric Oxide Synthase Upregulation and Caveolin-1 Downregulation Decrease Leukocyte Adhesion in Pial Venules of Ovariectomized Female Rats, 613
Expression and Function of Recombinant S1179D Endothelial Nitric Oxide Synthase in Canine Cerebral Arteries, 1071
Gene Transfer of Inducible Nitric Oxide Synthase Impairs Relaxation in Human and Rabbit Cerebral Arteries, 2292

Prevention of Experimental Cerebral Vasospasm by Intracranial Delivery of a Nitric Oxide Donor From a Controlled-Release Polymer: Toxicity and Efficacy Studies in Rabbits and Rats, 2681
Protective Vasomotor Effects of In Vivo Recombinant Endothelial Nitric Oxide Synthase Gene Expression in a Canine Model of Cerebral Vasospasm, 782
Transient Focal Ischemia Increases Endothelial Nitric Oxide Synthase in Cerebral Blood Vessels, 2704

Nitric oxide synthase
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499
Estrogen Increases Endothelial Nitric Oxide Synthase via Estrogen Receptors in Rat Cerebral Blood Vessels: Effect Preserved After Concurrent Treatment With Medroxyprogesterone Acetate or Progesterone, 1685
Gene Transfer of Inducible Nitric Oxide Synthase Impairs Relaxation in Human and Rabbit Cerebral Arteries, 2292

Nitrogen oxides
Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411

Nitroprusside
Safety of Intraventricular Sodium Nitroprusside and Thiosulfate for the Treatment of Cerebral Vasospasm in the Intensive Care Unit Setting, 486

Nomogram
Validation of a Weight-Based Nomogram for the Use of Intravenous Heparin in Transient Ischemic Attack or Stroke, 670

Norepinephrine
Effects of Induced Hypertension on Intracranial Pressure and Flow Velocities of the Middle Cerebral Arteries in Patients With Large Hemispheric Stroke, 998

O

Obesity
Association of Obesity and Central Fat Distribution With Carotid Artery Wall Thickening in Middle-Aged Women, 2923
Plasma Vitamin C Modifies the Association Between Hypertension and Risk of Stroke, 1568

Observer variation
Observer Agreement in the Angiographic Assessment of Arteriovenous Malformations of the Brain, 1501
Reliability of Angiographic Assessment of Brain Arteriovenous Malformations, 1508

Occlusion
Changes of Neural Activity Correlate With the Severity of Cortical Ischemia in Patients With Unilateral Major Cerebral Artery Occlusion, 61
Clinical and Sonographic Patterns of Tandem Internal Carotid Artery/Middle Cerebral Artery Occlusion in Tissue Plasminogen Activator-Treated Patients, 99
Hemodynamic Studies in Early Ischemic Stroke: Serial Transcranial Doppler and Magnetic Resonance Angiography Evaluation, 1274
Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821

Occurrence
Weather, Chinook, and Stroke Occurrence, 1751

Oligonucleotides, antisense
Inhibitory Effect With Antisense Mitogen-Activated Protein Kinase Oligodeoxynucleotide Against Cerebral Vasospasm in Rats, 775

Osteoporosis
Falls, Fractures, and Osteoporosis After Stroke: Time to Think About Protection? 1432
Fractures After Stroke: Frequency, Types, and Associations, 728

Outcome
Angioplasty and Stenting Should Be Performed Only in the Setting of a Clinical Trial, 2519
Angioplasty and Stenting Should Not Be Restricted to Clinical Trials, 2520
Apolipoprotein E Genotype and Outcome in Aneurysmal Subarachnoid Hemorrhage, 548
Assessment of Functioning and Disability After Ischemic Stroke, 2053
Carotid Stenting and Endarterectomy: A Clinical and Cost Comparison of Revascularization Strategies, 1063
Effect of Age on Functional Outcomes After Stroke Rehabilitation, 179
Evaluation of Proxy Responses to the Stroke Impact Scale, 2593
Excimer Laser-Assisted High-Flow Extracranial/Intracranial Bypass in Patients With Symptomatic Carotid Artery Occlusion at High Risk of Recurrent Cerebral Ischemia: Safety and Long-Term Outcome, 2451
Global Cerebral Edema After Subarachnoid Hemorrhage: Frequency, Predictors, and Impact on Outcome, 1225
Handicap After Stroke: How Does It Relate to Disability, Perception of Recovery, and Stroke Subtype? The North East Melbourne Stroke Incidence Study (NEMESIS), 762
Improving the Assessment of Outcomes in Stroke: Use of a Structured Interview to Assign Grades on the Modified Rankin Scale, 2243
Incidence and Short-Term Outcome of Cerebral Infarction in Young Adults in Western Norway, 2105
Intra-Arterial Thrombolysis in 100 Patients With Acute Stroke Due to Middle Cerebral Artery Occlusion, 1828
Long-Term Disability After First-Ever Stroke and Related Prognostic Factors in the Perth Community Stroke Study, 1989-1990, 1034
Modified National Institutes of Health Stroke Scale for Use in Stroke Clinical Trials: Prospective Reliability and Validity, 1261
MOSAIC: Multimodal Stroke Assessment Using Computed Tomography: Novel Diagnostic Approach for the Prediction of Infarction Size and Clinical Outcome, 2819
Poststroke Fatigue: A 2-Year Follow-Up Study of Stroke Patients in Sweden, 1327
Prediction of Length of Stay of First-Ever Ischemic Stroke, 2670
Prognostic Relevance of Early Serial C-Reactive Protein Measurements After First Ischemic Stroke, 2459
Prognostic Significance of Uric Acid Serum Concentration in Patients With Acute Ischemic Stroke, 1048
Randomized Controlled Study of Stroke Unit Care Versus Stroke Team Care in Different Stroke Subtypes, 449
Risk of Endovascular Treatment of Brain Arteriovenous Malformations, 1816
Stroke Carotid Stenting Is Unproven: Randomization Is a Must, 2522
Trunk Control as an Early Predictor of Comprehensive Activities of Daily Living Function in Stroke Patients, 2626

Outcome assessment
Association Between Subarachnoid Hemorrhage Outcomes and Number of Cases Treated at California Hospitals, 1851
Brief Comprehensive Quality of Life Assessment After Stroke: The Assessment of Quality of Life Instrument in the North East Melbourne Stroke Incidence Study (NEMESIS), 2888
Different Measures for Assessing Stroke Outcome: An Analysis From the International Stroke Trial in Italy, 218
Functional Walk Tests in Individuals With Stroke: Relation to Perceived Exertion and Myocardial Exertion, 756
Improving the Assessment of Outcomes in Stroke: Use of a Structured Interview to Assign Grades on the Modified Rankin Scale, 2243
Key Neurological Impairments Influence Function-Related Group Outcomes After Stroke, 1920
Practice Makes Perfect, 1856

Oxidative stress
Autoantibodies Against Oxidatively Modified Lipoproteins and Progression of Carotid Restenosis After Carotid Endarterectomy, 1139
Manganese Superoxide Dismutase Deficiency Exacerbates Cerebral Infarction After Focal Cerebral Ischemia/Reperfusion in Mice: Implications for the Production and Role of Superoxide Radicals, 809
Oxidative Stress in Rats With Heatstroke-Induced Cerebral Ischemia, 790

Oxygen
Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251

ATM Gene Regulates Oxygen-Glucose Deprivation-Induced Nuclear Factor-κB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells, 2471
Changes in Blood Flow and Oxygen Metabolism During Visual Stimulation in Carotid Artery Disease: Effect of Baseline Perfusion and Oxygen Metabolism, 1294
Detection of Deoxygenation-Related Signal Change in Acute Ischemic Stroke Patients by T2*-Weighted Magnetic Resonance Imaging, 967

Oxygen radical
Association Between Carotid Intima-Media Thickness and Low-Density Lipoprotein Size and Susceptibility of Low-Density Lipoprotein to Oxidation in Asymptomatic Members of Familial Combined Hyperlipidemia Families, 1255
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174
Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665
Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411

P

P-selectin
Platelet P-Selectin Levels in Relation to Plasma Soluble P-Selectin and β-Thromboglobulin Levels in Atrial Fibrillation, 1237

Pain
Amitriptyline in the Prophylaxis of Central Poststroke Pain: Preliminary Results of 39 Patients in a Placebo-Controlled, Long-Term Study, 3030

Paresis
Near-Infrared Spectroscopic Topography as a Tool to Monitor Motor Reorganization After Hemiparetic Stroke: A Comparison With Functional MRI, 2032
Treadmill Training With Partial Body Weight Support and an Electromechanical Gait Trainer for Restoration of Gait in Subacute Stroke Patients: A Randomized Crossover Study, 2895

Patent foramen ovale
Clinical and Imaging Findings in Cryptogenic Stroke Patients With and Without Patent Foramen Ovale: The PFO-ASA Study, 706

Pathology
Cerebral Protection During Carotid Artery Stenting: Collection and Histopathologic Analysis of Embolized Debris, 456
Characterization of Incident Stroke Signs and Symptoms: Findings From the Atherosclerosis Risk in Communities Study, 2718
Detection of Carotid Artery Stenosis by In Vivo Duplex Ultrasound: Correlation With Planimetric Measurements of the Corresponding Postmortem Specimens, 2402

Penumbra
Penumbral Microcirculatory Changes Associated With Peri-infarct Depolarizations in the Rat, 606
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738

Peptides
Protection Against Ischemia and Improvement of Cerebral Blood Flow in Genetically Hypertensive Rats by Chronic Pretreatment With an Angiotensin II AT_1 Antagonist, 2297

Perfusion
Albumin Therapy of Transient Focal Cerebral Ischemia: In Vivo Analysis of Dynamic Microvascular Responses, 1077
Cerebral Blood Flow Predicts Lesion Growth in Acute Stroke Patients, 2421
Comparison Between Echo Contrast Agent-Specific Imaging Modes and Perfusion-Weighted Magnetic Resonance Imaging for the Assessment of Brain Perfusion, 2433
Comparison of Admission Perfusion Computed Tomography and Qualitative Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging in Acute Stroke Patients, 2025
Effect of Intravenous Gadolinium-DTPA on Diffusion-Weighted Images: Evaluation of Normal Brain and Infarcts, 1799
Effect of Intravenous Thrombolysis on MRI Parameters and Functional Outcome in Acute Stroke <6 Hours, 2438
Magnetic Resonance Perfusion-Weighted Imaging of Acute Cerebral Infarction: Effect of the Calculation Methods and Underlying Vasculopathy, 87
Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383
Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke: Assumptions, Limitations, and Potential Implications for Clinical Use, 1146
Second Harmonic Imaging of the Human Brain: The Practicability of Coronal Insonation Planes and Alternative Perfusion Parameters, 1530
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443

Personality
Personality and Vulnerability to Depression in Stroke Patients: A 1-Year Prospective Follow-Up Study, 2391

Phenotype
Addressing the Heterogeneity of the Ischemic Stroke Phenotype in Human Genetics Research, 2770

1-Phosphatidylinositol 3-kinase
Phosphatidylinositol 3-Kinase Inhibitor Failed to Reduce Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage, 593

Phosphorylation
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369

Pilot studies
NINDS-Sponsored Clinical Trials in Stroke: Past, Present, and Future, 311

Platelet aggregation
Cerebral Blood Flow Restoration and Reperfusion Injury After Ultraviolet Laser-Facilitated Middle Cerebral Artery Recanalization in Rat Thrombotic Stroke, 428
Temporal Profile of Enhanced Vulnerability of the Postthrombotic Brain to Secondary Embolic Events, 1113
The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147

Platelets
Aspirin and Urinary 11-Dehydrothromboxane B_2 in African American Stroke Patients, 57
Course of Platelet Activation Markers After Ischemic Stroke, 2570
Platelet P-Selectin Levels in Relation to Plasma Soluble P-Selectin and β-Thromboglobulin Levels in Atrial Fibrillation, 1237

Polymers
Cellular Responses of Bioabsorbable Polymeric Material and Guglielmi Detachable Coil in Experimental Aneurysms, 1120
Prevention of Experimental Cerebral Vasospasm by Intracranial Delivery of a Nitric Oxide Donor From a Controlled-Release Polymer: Toxicity and Efficacy Studies in Rabbits and Rats, 2681

Polymorphism
Matrix Metalloproteinase-1 and Matrix Metalloproteinase-3 Gene Promoter Polymorphisms Are Associated With Carotid Artery Stenosis, 2408
No Association of Paraoxonase Genotype or Atherosclerosis With Cerebral Amyloid Angiopathy, 896
Paraoxonase 192 Gln→Arg Polymorphism: An Independent Risk Factor for Nonfatal Arterial Ischemic Stroke Among Young Adults, 1459

Population
Prevalence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study, 21

Potassium
Inhibitory Effects of Protein Kinase C on Inwardly Rectifying K^+- and ATP-Sensitive K^+ Channel-Mediated Responses of the Basilar Artery, 1692
Mechanism of Extracellular K^+-Induced Local and Conducted Responses in Cerebral Penetrating Arterioles, 2692

Potassium channels
Ca^{2+} Sparks and Their Function in Human Cerebral Arteries, 802

Hypoxic Depolarization of Cerebellar Granule Neurons by Specific Inhibition of TASK-1, 2324
Inhibitory Effects of Protein Kinase C on Inwardly Rectifying K^+- and ATP-Sensitive K^+ Channel-Mediated Responses of the Basilar Artery, 1692

Practice guidelines
Guideline Compliance Improves Stroke Outcome: A Preliminary Study in 4 Districts in the Italian Region of Lombardia, 1341

Preoperative arterial imaging
Costs and Benefits of Carotid Endarterectomy and Associated Preoperative Arterial Imaging: A Systematic Review of Health Economic Literature, 629

Prevalence
Homonymous Visual Field Defects and Stroke in an Older Population, 2417
Prevalence and Predictors of Upper Airway Obstruction in the First 24 Hours After Acute Stroke, 2037
Prevalence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study, 21
Trends in Stroke Prevalence Between 1973 and 1991 in the US Population 25 to 74 Years of Age, 1209

Prevention
Homocysteine, Stroke, and Dementia, 2343
Inflammation, Blood Pressure, and Stroke: An Opportunity to Target Primary Prevention? 2732

Preventive medicine
Plasma Vitamin C Modifies the Association Between Hypertension and Risk of Stroke, 1568

Problem solving
Telephone Intervention With Family Caregivers of Stroke Survivors After Rehabilitation, 2060

Procedure
Cost of Identifying Patients for Carotid Endarterectomy, 435

Process assessment (health care)
Adherence to Postacute Rehabilitation Guidelines Is Associated With Functional Recovery in Stroke, 167
The Impact of Poststroke Rehabilitation Guidlines on Functional Recovery, 177

Professional attitudes
The Concept of Patient Motivation: A Qualitative Analysis of Stroke Professionals' Attitudes, 444

Progestins
Risk of Arterial Thrombosis in Relation to Oral Contraceptives (RATIO) Study: Oral Contraceptives and the Risk of Ischemic Stroke, 1202

Prognosis
Admission Body Temperature Predicts Long-Term Mortality After Acute Stroke: The Copenhagen Stroke Study, 1759
Combined Clinical and Imaging Information as an Early Stroke Outcome Measure, 466
Fractures After Stroke: Frequency, Types, and Associations, 728
Identifying Patients With Symptomatic Carotid Artery Disease at High and Low Risk of Severe Myocardial Infarction and Cardiac Death, 2413
Intracranial Venous Hemodynamics Is a Factor Related to a Favorable Outcome in Cerebral Venous Thrombosis, 1645
Lacunar Stroke Is the Major Cause of Progressive Motor Deficits, 1510
Long-Term Disability After First-Ever Stroke and Related Prognostic Factors in the Perth Community Stroke Study, 1989-1990, 1034
Predicting Outcome After Acute and Subacute Stroke: Development and Validation of New Prognostic Models, 1041
Predictors of Severe Stroke: Influence of Preexisting Dementia and Cardiac Disorders, 2357
Prognostic Importance of Leukoaraiosis in Patients With Symptomatic Internal Carotid Artery Stenosis, 1651
Progression of Middle Cerebral Artery Occlusive Disease and Its Relationship With Further Vascular Events After Stroke, 532
Two Types of Lacunar Infarcts: Further Arguments From a Study on Prognosis, 2072
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443

Programs
Cost of Identifying Patients for Carotid Endarterectomy, 435

Propranolol
Activation-Induced Resetting of Cerebral Metabolism and Flow Is Abolished by β-Adrenergic Blockade With Propranolol, 251

Prospective studies
A Prospective Evaluation of the CD14 and CD18 Gene Polymorphisms and Risk of Stroke, 892
Body Height Is Associated With Decreased Long-Term Stroke but Not Coronary Heart Disease Mortality? 743
Dietary Intake of Folate and Risk of Stroke in US Men and Women: NHANES I Epidemiologic Follow-Up Study, 1183
Folate and the Risk of Stroke: Fortify First and Ask Questions Later? 1188

Prostacyclins
17β-Estradiol Increases Rat Cerebrovascular Prostacyclin Synthesis by Elevating Cyclooxygenase-1 and Prostacyclin Synthase, 600

Prostaglandin endoperoxide-synthase
17β-Estradiol Increases Rat Cerebrovascular Prostacyclin Synthesis by Elevating Cyclooxygenase-1 and Prostacyclin Synthase, 600

Protein kinases
Inhibitory Effects of Protein Kinase C on Inwardly Rectifying K^+- and ATP-Sensitive K^+ Channel-Mediated Responses of the Basilar Artery, 1692

Proteins
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369

Psychometrics
Is Mild Cognitive Impairment Prodromal for Vascular Dementia Like Alzheimer's Disease? 1981
Quality of Life Measurement After Stroke: Uses and Abuses of the SF-36, 1348

Q

Quality improvement
To What Extent Should Quality of Care Decisions Be Based on Health Outcomes Data? Application to Carotid Endarterectomy, 2944

Quality of health care
Adherence to Postacute Rehabilitation Guidelines Is Associated With Functional Recovery in Stroke, 167
Association Between Subarachnoid Hemorrhage Outcomes and Number of Cases Treated at California Hospitals, 1851
Practice Makes Perfect, 1856
Recommendations for Improving the Quality of Care Through Stroke Centers and Systems: An Examination of Stroke Center Identification Options, 326
The Impact of Poststroke Rehabilitation Guidlines on Functional Recovery, 177

Quality of life
Brief Comprehensive Quality of Life Assessment After Stroke: The Assessment of Quality of Life Instrument in the North East Melbourne Stroke Incidence Study (NEMESIS), 2888
Evaluation of Proxy Responses to the Stroke Impact Scale, 2593
Integrated Care Pathways and Quality of Life on a Stroke Rehabilitation Unit, 1600
Persisting Consequences of Stroke Measured by the Stroke Impact Scale, 1840
Quality of Life Measurement After Stroke: Uses and Abuses of the SF-36, 1348
Quality of Life, Anxiety, and Depression in Patients With an Untreated Intracranial Aneurysm or Arteriovenous Malformation, 440
Well-Being After Stroke in Canadian Seniors: Findings From the Canadian Study of Health and Aging, 1016

Questionnaires
Physician Knowledge and Practices in the Evaluation of Coagulopathies in Stroke Patients, 948

R

Rabbits
Can Transcranial Ultrasonication Increase Recanalization Flow With Tissue Plasminogen Activator? 1399
Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a

Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665
Microplasmin: A Novel Thrombolytic That Improves Behavioral Outcome After Embolic Strokes in Rabbits, 2279
Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411
New Method of Embolus Preparation for Standardized Embolic Stroke in Rabbits, 2329
Prevention of Experimental Cerebral Vasospasm by Intracranial Delivery of a Nitric Oxide Donor From a Controlled-Release Polymer: Toxicity and Efficacy Studies in Rabbits and Rats, 2681
The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147

Racial differences

Carotid Endarterectomy and Race: Do Clinical Indications and Patient Preferences Account for Differences? 2936
Stroke in the Young in the Northern Manhattan Stroke Study, 2789
Stroke Risk Factor Profiles in African American Women: An Interim Report From the African-American Antiplatelet Stroke Prevention Study, 913

Radiation

In Situ Beta Radiation to Prevent Recanalization After Coil Embolization of Cerebral Aneurysms, 421

Radiology

CT Angiography in Acute Ischemic Stroke: Preliminary Results, 276

Randomized controlled trials

Efficacy and Safety of Memantine in Patients With Mild to Moderate Vascular Dementia: A Randomized, Placebo-Controlled Trial (MMM 300), 1834
Gangliosides for Acute Ischemic Stroke, 2336
Low-Molecular-Weight Heparins or Heparinoids Versus Standard Unfractionated Heparin for Acute Ischemic Stroke (Cochrane Review), 1925

Rats

17β-Estradiol Increases Rat Cerebrovascular Prostacyclin Synthesis by Elevating Cyclooxygenase-1 and Prostacyclin Synthase, 600
Albumin Therapy of Transient Focal Cerebral Ischemia: In Vivo Analysis of Dynamic Microvascular Responses, 1077
Altered Calcium Dynamics Do Not Account for Attenuation of Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations in the Female Middle Cerebral Artery, 2972
Altered Endothelial Ca^{2+} Regulation After Ischemia/Reperfusion Produces Potentiated Endothelium-Derived Hyperpolarizing Factor-Mediated Dilations, 2285
Altered Vascular Function in Fetal Programming of Hypertension, 2992
Behavioral Tests After Intracerebral Hemorrhage in the Rat, 2478
Cerebral Blood Flow Restoration and Reperfusion Injury After Ultraviolet Laser-Facilitated Middle Cerebral Artery Recanalization in Rat Thrombotic Stroke, 428
Cerebral Capillary Endothelial Cell Mitogenesis and Morphogenesis Induced by Astrocytic Epoxyeicosatrienoic Acid, 2957
Cerebral Ischemia Upregulates Vascular Endothelin ET_B Receptors in Rat, 2311
Combined Endothelial Nitric Oxide Synthase Upregulation and Caveolin-1 Downregulation Decrease Leukocyte Adhesion in Pial Venules of Ovariectomized Female Rats, 613
Delayed Argatroban Treatment Reduces Edema in a Rat Model of Intracerebral Hemorrhage, 3012
Dendritic Cells Are Present in Ischemic Brain After Permanent Middle Cerebral Artery Occlusion in the Rat, 1129
Dependence of Early Cerebral Reperfusion and Long-Term Outcome on Resuscitation Efficiency After Cardiac Arrest in Rats, 837
Different Mechanisms of Secondary Neuronal Damage in Thalamic Nuclei After Focal Cerebral Ischemia in Rats, 3006
Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985
Effects of Nonpeptide V_1 Vasopressin Receptor Antagonist SR-49059 on Infarction Volume and Recovery of Function in a Focal Embolic Stroke Model, 3033
Estrogen Increases Endothelial Nitric Oxide Synthase via Estrogen Receptors in Rat Cerebral Blood Vessels: Effect Preserved After Concurrent Treatment With Medroxyprogesterone Acetate or Progesterone, 1685
Flow Cytometric Analysis of Inflammatory Cells in Ischemic Rat Brain, 586
Hemoglobin-Induced Cytotoxicity in Rat Cerebral Cortical Neurons: Caspase Activation and Oxidative Stress, 1882
Hypoxic-Ischemic Injury Induces Macrophage Inflammatory Protein-1α Expression in Immature Rat Brain, 795
Immune Tolerance and Stroke: A Turning Point, 2163
Induction of Mucosal Tolerance to E-Selectin Prevents Ischemic and Hemorrhagic Stroke in Spontaneously Hypertensive Genetically Stroke-Prone Rats, 2156
Inhibition of Factor IX(a) Is Protective in a Rat Model of Thromboembolic Stroke, 578
Inhibitory Effect With Antisense Mitogen-Activated Protein Kinase Oligodeoxynucleotide Against Cerebral Vasospasm in Rats, 775
Inhibitory Effects of Protein Kinase C on Inwardly Rectifying K^+- and ATP-Sensitive K^+ Channel-Mediated Responses of the Basilar Artery, 1692
Involvement of Matrix Metalloproteinase in Thrombolysis-Associated Hemorrhagic Transformation After Embolic Focal Ischemia in Rats, 831
Mechanism of Extracellular K^+-Induced Local and Conducted Responses in Cerebral Penetrating Arterioles, 2692
Middle Cerebral Artery Function After Stroke: The Threshold Duration of Reperfusion for Myogenic Activity, 2094
NAP, a Femtomolar-Acting Peptide, Protects the Brain Against Ischemic Injury by Reducing Apoptotic Death, 1085
Neuroprotection and P450 2C11 Upregulation After Experimental Transient Ischemic Attack, 1677
Neuroprotective Effect of Delayed Moderate Hypothermia After Focal Cerebral Ischemia: An MRI Study, 1899
New Insights Into Brain Damage in Stroke-Prone Rats: A Nuclear Magnetic Imaging Study, 825
Oxidative Stress in Rats With Heatstroke-Induced Cerebral Ischemia, 790
Penumbral Microcirculatory Changes Associated With Peri-infarct Depolarizations in the Rat, 606
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369
Prediction of Hemorrhagic Transformation After Thrombolytic Therapy of Clot Embolism: An MRI Investigation in Rat Brain, 1392
Prevention of Experimental Cerebral Vasospasm by Intracranial Delivery of a Nitric Oxide Donor From a Controlled-Release Polymer: Toxicity and Efficacy Studies in Rabbits and Rats, 2681
Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model, 2100
Role of Endothelial Nitric Oxide and Smooth Muscle Potassium Channels in Cerebral Arteriolar Dilation in Response to Acidosis, 844
Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat, 3019
Sildenafil (Viagra) Induces Neurogenesis and Promotes Functional Recovery After Stroke in Rats, 2675
Temporal Profile of Enhanced Vulnerability of the Postthrombotic Brain to Secondary Embolic Events, 1113
Thrombolytic Treatment of Clot Embolism in Rat: Comparison of Intra-arterial and Intravenous Application of Recombinant Tissue Plasminogen Activator, 2999
Tolerance Against Ischemic Neuronal Injury Can Be Induced by Volatile Anesthetics and Is Inducible NO Synthase Dependent, 1889
Transient Focal Ischemia Increases Endothelial Nitric Oxide Synthase in Cerebral Blood Vessels, 2704
Ultrastructural Changes of Neuronal Mitochondria After Transient and Permanent Cerebral Ischemia, 816
Vascular NAD(P)H Oxidase Triggers Delayed Cerebral Vasospasm After Subarachnoid Hemorrhage in Rats, 2687

What Is Effective in Malignant Middle Cerebral Artery Infarction: Reperfusion, Craniectomy, or Both? An Experimental Study in Rats, 617

Reactive oxygen species

Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665

Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411

Vascular NAD(P)H Oxidase Triggers Delayed Cerebral Vasospasm After Subarachnoid Hemorrhage in Rats, 2687

Recanalization

Endovascular Treatment of Intracranial Aneurysms With Guglielmi Detachable Coils: Analysis of Midterm Angiographic and Clinical Outcomes, 210

Receptors

Protection Against Ischemia and Improvement of Cerebral Blood Flow in Genetically Hypertensive Rats by Chronic Pretreatment With an Angiotensin II AT_1 Antagonist, 2297

Receptors, AMPA

Muscimol Binding to γ-Aminobutyric $Acid_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698

AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813

Ischemia and Ischemic Tolerance Induction Differentially Regulate Protein Expression of GluR1, GluR2, and AMPA Receptor Binding Protein in the Gerbil Hippocampus: GluR2 (GluR-B) Reduction Does Not Predict Neuronal Death, 1093

Receptors, chemokine

Hypoxic-Ischemic Injury Induces Macrophage Inflammatory Protein-1α Expression in Immature Rat Brain, 795

Receptors, endothelin

Cerebral Ischemia Upregulates Vascular Endothelin ET_B Receptors in Rat, 2311

Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat, 3019

Receptors, estrogen

Neuroprotective Effects of a Novel Non-Receptor-Binding Estrogen Analogue: In Vitro and In Vivo Analysis, 2485

Receptors, GABA-A

Muscimol Binding to γ-Aminobutyric $Acid_A$ Receptors Is Upregulated in CA1 Neurons of the Gerbil Hippocampus in the Ischemia-Tolerant State, 1698

Recommended treatment

Recommendations for the Endovascular Treatment of Intracranial Aneurysms: A Statement for Healthcare Professionals from the Committee on Cerebrovascular Imaging of the American Heart Association Council on Cardiovascular Radiology, 2536

Records

Validating Administrative Data in Stroke Research, 2465

Recovery of function

Early Dramatic Recovery During Intravenous Tissue Plasminogen Activator Infusion: Clinical Pattern and Outcome in Acute Middle Cerebral Artery Stroke, 1301

Effects of Implantation Site of Stem Cell Grafts on Behavioral Recovery From Stroke Damage, 2270

Key Neurological Impairments Influence Function-Related Group Outcomes After Stroke, 1920

Sildenafil (Viagra) Induces Neurogenesis and Promotes Functional Recovery After Stroke in Rats, 2675

Somatosensory Gating and Recovery From Stroke Involving the Thalamus, 2642

Recurrence

Blood Pressure and Clinical Outcomes in the International Stroke Trial, 1315

Cerebrovascular Reactivity to Acetazolamide and Outcome in Patients With Symptomatic Internal Carotid or Middle Cerebral Artery Occlusion: A Xenon-133 Single-Photon Emission Computed Tomography Study, 1857

Control of Hypertension and Risk of Stroke Recurrence, 2652

Emergent Use of Anticoagulation for Treatment of Patients With Ischemic Stroke, 856

Long-Term Prognosis of Vascular Hemiballismus, 2109

Reflex, pupillary

Retinal and Optic Nerve Degeneration After Chronic Carotid Ligation: Time Course and Role of Light Exposure, 1107

Reflux, cortical venous

Clinical Course of Cranial Dural Arteriovenous Fistulas With Long-Term Persistent Cortical Venous Reflux, 1233

Regeneration

Bone Marrow as a Source of Endothelial Cells and NeuN-Expressing Cells After Stroke, 1362

Regional blood flow

Endothelin-1-Induced Vasospasms of Spiral Modiolar Artery Are Mediated by Rho-Kinase-Induced Ca^{2+} Sensitization of Contractile Apparatus and Reversed by Calcitonin Gene-Related Peptide, 2965

Rehabilitation

Adherence to Postacute Rehabilitation Guidelines Is Associated With Functional Recovery in Stroke, 167

Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI, 103

Does Acupuncture Have Additional Value to Standard Poststroke Motor Rehabilitation? 186

Effect of Age on Functional Outcomes After Stroke Rehabilitation, 179

The Impact of Poststroke Rehabilitation Guidlines on Functional Recovery, 177

Integrated Care Pathways and Quality of Life on a Stroke Rehabilitation Unit, 1600

Longitudinal Study of Motor Recovery After Stroke: Recruitment and Focusing of Brain Activation, 1610

Randomized Controlled Study of Stroke Unit Care Versus Stroke Team Care in Different Stroke Subtypes, 449

Spatial Neglect: Is Rehabilitation Effective? 2728

Speed-Dependent Treadmill Training in Ambulatory Hemiparetic Stroke Patients: A Randomized Controlled Trial, 553

Stroke Rehabilitation: Indwelling Urinary Catheters, Enteral Feeding Tubes, and Tracheostomies Are Associated With Resource Use and Functional Outcomes, 1845

Telephone Intervention With Family Caregivers of Stroke Survivors After Rehabilitation, 2060

The Concept of Patient Motivation: A Qualitative Analysis of Stroke Professionals' Attitudes, 444

Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123

Treadmill Training With Partial Body Weight Support and an Electromechanical Gait Trainer for Restoration of Gait in Subacute Stroke Patients: A Randomized Crossover Study, 2895

Trunk Control as an Early Predictor of Comprehensive Activities of Daily Living Function in Stroke Patients, 2626

Remodeling

Arterial Remodeling of the Common Carotid Artery After Aortic Valve Replacement in Patients With Aortic Stenosis, 2446

Renal disease, end-stage

Does Renal Dysfunction Predict Mortality After Acute Stroke? A 7-Year Follow-Up Study, 1630

Reperfusion

Brain Hemorrhage After Thrombolysis: Good or Bad? 1446

Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985

Effects of the Spin Trap Agent Disodium-benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) on Intracerebral Hemorrhage in a Rabbit Large Clot Embolic Stroke Model: Combination Studies With Tissue Plasminogen Activator, 1665

Microplasmin: A Novel Thrombolytic That Improves Behavioral Outcome After Embolic Strokes in Rabbits, 2279

Neuroprotective Effect of Delayed Moderate Hypothermia After Focal Cerebral Ischemia: An MRI Study, 1899

Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model:

Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411
Thrombolysis-Related Hemorrhagic Infarction: A Marker of Early Reperfusion, Reduced Infarct Size, and Improved Outcome in Patients With Proximal Middle Cerebral Artery Occlusion, 1551
Transient Focal Ischemia Increases Endothelial Nitric Oxide Synthase in Cerebral Blood Vessels, 2704
What Is Effective in Malignant Middle Cerebral Artery Infarction: Reperfusion, Craniectomy, or Both? An Experimental Study in Rats, 617

Reperfusion injury
Cerebral Blood Flow Restoration and Reperfusion Injury After Ultraviolet Laser-Facilitated Middle Cerebral Artery Recanalization in Rat Thrombotic Stroke, 428
Dependence of Early Cerebral Reperfusion and Long-Term Outcome on Resuscitation Efficiency After Cardiac Arrest in Rats, 837
Involvement of Matrix Metalloproteinase in Thrombolysis-Associated Hemorrhagic Transformation After Embolic Focal Ischemia in Rats, 831
Middle Cerebral Artery Function After Stroke: The Threshold Duration of Reperfusion for Myogenic Activity, 2094
Neuroprotection by Selective Nitric Oxide Synthase Inhibition at 24 Hours After Perinatal Hypoxia-Ischemia, 2304
Neuroprotective Effects of a Novel Non-Receptor-Binding Estrogen Analogue: In Vitro and In Vivo Analysis, 2485
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492
The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147
Ultrastructural Changes of Neuronal Mitochondria After Transient and Permanent Cerebral Ischemia, 816

Reproducibility of results
Analysis and Comparison of the Psychometric Properties of Three Balance Measures for Stroke Patients, 1022
Are Spontaneous Cerebral Microemboli Consistent in Carotid Disease? 685

Retina
Retinal and Optic Nerve Degeneration After Chronic Carotid Ligation: Time Course and Role of Light Exposure, 1107
Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons: The Atherosclerosis Risk in Communities Study, 1487

Retinal diseases
Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons: The Atherosclerosis Risk in Communities Study, 1487

Rhabdomyolysis
ACC/AHA/NHLBI Clinical Advisory on the Use and Safety of Statins, 2337

Risk factors
A Prospective Evaluation of the CD14 and CD18 Gene Polymorphisms and Risk of Stroke, 892
Adjustment in the Anger-Stroke Relationship: How Far Should One Go? 19
Alzheimer Disease as a Vascular Disorder: Nosological Evidence, 1152
Apolipoprotein A-I and B and Stroke Events in a Community-Based Cohort in Taiwan: Report of the Chin-Shan Community Cardiovascular Study, 39
Association Between Tumor Necrosis Receptor Levels and Carotid Atherosclerosis: Is the Association Limited to Younger Individuals? 37
Association of Plasma Homocysteine Concentration With Atherosclerotic Carotid Plaques and Lacunar Infarction, 1493
Beyond Hypertension: Unraveling the Causes of Intracerebral Hemorrhage, 1195
C-Reactive Protein Predicts Progression of Atherosclerosis Measured at Various Sites in the Arterial Tree: The Rotterdam Study, 2750
Carotid Artery Intima-Media Thickness and Lacunar Versus Nonlacunar Infarcts, 689
Carotid Artery Wall Thickness in Patients With Obstructive Sleep Apnea Syndrome, 1782
Carotid Plaque Area: A Tool for Targeting and Evaluating Vascular Preventive Therapy, 2916
Do Trends in Population Levels of Blood Pressure and Other Cardiovascular Risk Factors Explain Trends in Stroke Event Rates? Comparisons of 15 Populations in 9 Countries Within the WHO MONICA Stroke Project, 2367
Etiologic Study of Young Ischemic Stroke in Taiwan, 1950
Genetic and Environmental Risk Factors for Intracerebral Hemorrhage: Preliminary Results of a Population-Based Study, 1190
Genetic Basis of Variation in Carotid Artery Plaque in the San Antonio Family Heart Study, 2775
Genetic Liability in Stroke: A Long-Term Follow-Up Study of Danish Twins, 769
Higher Incidence of Falls in Long-Term Stroke Survivors Than in Population Controls: Depressive Symptoms Predict Falls After Stroke, 542
Hyperhomocyst(e)inemia and Risk of Ischemic Stroke Among Young Asian Adults, 1956
Immune Tolerance and Stroke: A Turning Point, 2163
Induction of Mucosal Tolerance to E-Selectin Prevents Ischemic and Hemorrhagic Stroke in Spontaneously Hypertensive Genetically Stroke-Prone Rats, 2156
Inflammation, Cell Adhesion Molecules, and Stroke: Tools in Pathophysiology and Epidemiology? 2141
Leukocyte Count Is Associated With Aortic Arch Plaque Thickness, 2587
Long-Term Durability of Carotid Endarterectomy for Symptomatic Stenosis and Risk Factors for Late Postoperative Stroke, 2658
Paraoxonase 192 Gln→Arg Polymorphism: An Independent Risk *Factor for Nonfatal Arterial Ischemic Stroke Among Young* Adults, 1459
Personality and Vulnerability to Depression in Stroke Patients: A 1-Year Prospective Follow-Up Study, 2391
Plasma Vitamin C Modifies the Association Between Hypertension *and Risk of Stroke, 1568*
Prevalence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study, 21
Previous and Incident Dementia as Risk Factors for Mortality in Stroke Patients, 1993
Reduced Risk of Intracerebral Hemorrhage With Dynamic Recreational Exercise but Not With Heavy Work Activity, 559
Risk Factors for Progression of Aortic Atheroma in Stroke and Transient Ischemic Attack Patients, 930
Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, 230
Severity of Angina Pectoris and Risk of Ischemic Stroke, 245
Soluble Intercellular Adhesion Molecule-1 and Risk of Future Ischemic Stroke: A Nested Case-Control Study From the Bezafibrate Infarction Prevention (BIP) Study Cohort, 2182
Stroke Risk Factor Profiles in African American Women: An Interim Report From the African-American Antiplatelet Stroke Prevention Study, 913
Subarachnoid Hemorrhage: A Preventable Disease With a Heritable Component, 1321
The Association Between Trait Anger and Incident Stroke Risk: The Atherosclerosis Risk in Communities (ARIC) Study, 13
The Next Generation: The Need to Expand Upon Traditional Risk *Factors for Stroke*, 236
Tumor Necrosis Factor Receptor Levels Are Associated With Carotid Atherosclerosis, 31
Variability in Midlife Systolic Blood Pressure Is Related to Late-Life Brain White Matter Lesions: The Honolulu-Asia Aging Study, 26

Ryanodine receptor calcium release channel
Ca^{2+} Sparks and Their Function in Human Cerebral Arteries, 802

S

Salicylates
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261

Secondary prevention
How Well Are Hypertension, Hyperlipidemia, Diabetes, and Smoking Managed After a Stroke or Transient Ischemic Attack? 1656

Physician Advice, Patient Actions, and Health-Related Quality of Life in Secondary Prevention of Stroke Through Diet and Exercise, 565
The Physician's Role in Helping Patients to Increase Physical Activity and Improve Eating Habits, 570

Selective vulnerability
Selective Vulnerability of the Lumbosacral Spinal Cord After Cardiac Arrest and Hypotension, 116

Sense
Somatosensory Gating and Recovery From Stroke Involving the Thalamus, 2642

Sensitivity and specificity
CT and Diffusion-Weighted MR Imaging in Randomized Order: Diffusion-Weighted Imaging Results in Higher Accuracy and Lower Interrater Variability in the Diagnosis of Hyperacute Ischemic Stroke, 2206

Serotonin
Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: A Population-Based Case-Control Study, 1465
Use of Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: Is There Reason for Concern? 1448

SF-36
Quality of Life Measurement After Stroke: Uses and Abuses of the SF-36, 1348

Signal processing, computer assisted
Severe ADC Decreases Do Not Predict Irreversible Tissue Damage In Humans, 79

Signal transduction
Calcium Modulation of Adherens and Tight Junction Function: A Potential Mechanism for Blood-Brain Barrier Disruption After Stroke, 1706
Endothelin-1-Induced Vasospasms of Spiral Modiolar Artery Are Mediated by Rho-Kinase-Induced Ca^{2+} Sensitization of Contractile Apparatus and Reversed by Calcitonin Gene-Related Peptide, 2965

Sildenafil
Sildenafil (Viagra) Induces Neurogenesis and Promotes Functional Recovery After Stroke in Rats, 2675

Simvastatin
Combined Endothelial Nitric Oxide Synthase Upregulation and Caveolin-1 Downregulation Decrease Leukocyte Adhesion in Pial Venules of Ovariectomized Female Rats, 613
Simvastatin Increases Endothelial Nitric Oxide Synthase and Ameliorates Cerebral Vasospasm Resulting From Subarachnoid Hemorrhage, 2950

Sindbis virus
Poly(ADP-Ribose) Polymerase Impairs Early and Long-Term Experimental Stroke Recovery, 1101

Sinus thrombosis
Intracranial Venous Hemodynamics Is a Factor Related to a Favorable Outcome in Cerebral Venous Thrombosis, 1645

Sinus thrombosis, intracranial
Mastoid Air Sinus Abnormalities Associated With Lateral Venous Sinus Thrombosis: Cause or Consequence? 290

Sleep apnea syndromes
Prevalence and Predictors of Upper Airway Obstruction in the First 24 Hours After Acute Stroke, 2037

Sleep apnea, obstructive
Carotid Artery Wall Thickness in Patients With Obstructive Sleep Apnea Syndrome, 1782

Small-vessel disease
Hypertensive Pontine Microhemorrhage, 925
Two Types of Lacunar Infarcts: Further Arguments From a Study on Prognosis, 2072

Social class
Effect of Socioeconomic Status on Treatment and Mortality After Stroke, 268
Socioeconomic Status and Stroke Mortality: Refining the Relationship, 274

Social support
Well-Being After Stroke in Canadian Seniors: Findings From the Canadian Study of Health and Aging, 1016

Somatosensory cortex
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369

Somatosensory evoked potentials
Changes of Neural Activity Correlate With the Severity of Cortical Ischemia in Patients With Unilateral Major Cerebral Artery Occlusion, 61
Somatosensory Gating and Recovery From Stroke Involving the Thalamus, 2642

Spectroscopy, near-infrared
Near-Infrared Spectroscopic Topography as a Tool to Monitor Motor Reorganization After Hemiparetic Stroke: A Comparison With Functional MRI, 2032

Spectroscopy, nuclear magnetic resonance
Neuroprotection by Selective Nitric Oxide Synthase Inhibition at 24 Hours After Perinatal Hypoxia-Ischemia, 2304

Spinal cord
Multidisciplinary Management of Spinal Dural Arteriovenous Fistulas: Clinical Presentation and Long-Term Follow-Up in 49 Patients, 1578

Spinal cord diseases
Multidisciplinary Management of Spinal Dural Arteriovenous Fistulas: Clinical Presentation and Long-Term Follow-Up in 49 Patients, 1578
Selective Vulnerability of the Lumbosacral Spinal Cord After Cardiac Arrest and Hypotension, 116

Spreading cortical depression
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738

Standards of care
Recommendations for Improving the Quality of Care Through Stroke Centers and Systems: An Examination of Stroke Center Identification Options, 326

Statin agents
Stroke Prevention Therapy Beyond Antithrombotics: Unifying Mechanisms in Ischemic Stroke Pathogenesis and Implications for Therapy: An Invited Review, 862

Statins
ACC/AHA/NHLBI Clinical Advisory on the Use and Safety of Statins, 2337

Statistics
UKPDS 60: Risk of Stroke in Type 2 Diabetes Estimated by the UK Prospective Diabetes Study Risk Engine, 1776

Stem cells
Effects of Implantation Site of Stem Cell Grafts on Behavioral Recovery From Stroke Damage, 2270

Stenosis
Hemodynamic Studies in Early Ischemic Stroke: Serial Transcranial Doppler and Magnetic Resonance Angiography Evaluation, 1274
Imaging of Distal Internal Carotid Artery by Ultrasonography With a 3.5-MHz Convex Probe, 1792

Stenosis, aortic
Arterial Remodeling of the Common Carotid Artery After Aortic Valve Replacement in Patients With Aortic Stenosis, 2446

Stents
Abciximab Bolus Injection Does Not Reduce Cerebral Ischemic Complications of Elective Carotid Artery Stenting: A Randomized Study, 725
Angioplasty and Stenting Should Be Performed Only in the Setting of a Clinical Trial, 2519
Angioplasty and Stenting Should Not Be Restricted to Clinical Trials, 2520
Carotid Artery Stenting Protected With an Emboli Containment System, 1308
Carotid Stenting and Endarterectomy: A Clinical and Cost Comparison of Revascularization Strategies, 1063
Cerebral Protection During Carotid Artery Stenting: Collection and Histopathologic Analysis of Embolized Debris, 456
Intracerebral Hemorrhages Associated With Neurointerventional Procedures Using a Combination of Antithrombotic Agents Including Abciximab, 1916
Long-Term Outcome After Angioplasty for Symptomatic Extracranial Carotid Stenosis in Poor Surgical Candidates, 2877
Stroke Carotid Stenting Is Unproven: Randomization Is a Must, 2522

Stress
Arterial Remodeling of the Common Carotid Artery After Aortic Valve Replacement in Patients With Aortic Stenosis, 2446
Social Stress Exacerbates Focal Cerebral Ischemia in Mice, 1660

Stress, psychological
Does Psychological Distress Predict the Risk of Ischemic Stroke and Transient Ischemic Attack? The Caerphilly Study, 7

Stroke
A Prospective Evaluation of the CD14 and CD18 Gene Polymorphisms and Risk of Stroke, 892
Adherence to Postacute Rehabilitation Guidelines Is Associated With Functional Recovery in Stroke, 167
Admission Body Temperature Predicts Long-Term Mortality After Acute Stroke: The Copenhagen Stroke Study, 1759
Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI, 103
Apolipoprotein A-I and B and Stroke Events in a Community-Based Cohort in Taiwan: Report of the Chin-Shan Community Cardiovascular Study, 39
Assessment of Functioning and Disability After Ischemic Stroke, 2053
Atrial Fibrillation, Stroke, and Acute Antithrombotic Therapy: Analysis of Randomized Clinical Trials, 2722
Beyond Hypertension: Unraveling the Causes of Intracerebral Hemorrhage, 1195
Biochemical Basis of Angioedema Associated With Recombinant Tissue Plasminogen Activator Treatment: An In Vitro Experimental Approach, 1712
Blood-Brain Barrier Disruption and Matrix Metalloproteinase-9 Expression During Reperfusion Injury: Mechanical Versus Embolic Focal Ischemia in Spontaneously Hypertensive Rats, 2711
Body Height Is Associated With Decreased Long-Term Stroke but Not Coronary Heart Disease Mortality? 743
Bone Formation in Carotid Plaques: A Clinicopathological Study, 1214
Calcium Modulation of Adherens and Tight Junction Function: A Potential Mechanism for Blood-Brain Barrier Disruption After Stroke, 1706
Carotid Artery Stenting Protected With an Emboli Containment System, 1308
Cerebral Atherosclerosis as Predictor of Stroke and Mortality in Representative Elderly Population, 224
Cerebral Blood Flow Predicts Lesion Growth in Acute Stroke Patients, 2421
Characterization of Incident Stroke Signs and Symptoms: Findings From the Atherosclerosis Risk in Communities Study, 2718
Clinical and Imaging Findings in Cryptogenic Stroke Patients With and Without Patent Foramen Ovale: The PFO-ASA Study, 706
Clinical and Sonographic Patterns of Tandem Internal Carotid Artery/Middle Cerebral Artery Occlusion in Tissue Plasminogen Activator-Treated Patients, 99
Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066
Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): Final Results, 122
Clomethiazole: An Unsuccessful Bachelor, but Perhaps a Prosperous Married Man? 128
Comparison of Risk Factors in Patients With Transient and Prolonged Eye and Brain Ischemic Syndromes, 2383
Continued Progress in Predicting Outcome After Subarachnoid Hemorrhage, 208
Cooling-Induced Carotid Artery Dilatation: An Experimental Study in Isolated Vessels, 256
Course of Platelet Activation Markers After Ischemic Stroke, 2570
Cryptogenic Stroke in Relation to Genetic Variation in Clotting Factors and Other Genetic Polymorphisms Among Young Men and Women, 2762
CT Angiography in Acute Ischemic Stroke: Preliminary Results, 276
Dementia After Stroke: High Incidence and Intriguing Associations, 2261
Do Trends in Population Levels of Blood Pressure and Other Cardiovascular Risk Factors Explain Trends in Stroke Event Rates? Comparisons of 15 Populations in 9 Countries Within the WHO MONICA Stroke Project, 2367
Does Acupuncture Have Additional Value to Standard Poststroke Motor Rehabilitation? 186
Does Acupuncture Improve Motor Recovery After Stroke? A Meta-Analysis of Randomized Controlled Trials, 2604
Does Renal Dysfunction Predict Mortality After Acute Stroke? A 7-Year Follow-Up Study, 1630
Dynamic Changes in Cerebral Blood Flow and Angiogenesis After Transient Focal Cerebral Ischemia in Rats: Evaluation With Serial Magnetic Resonance Imaging, 2985
Effect of Age on Functional Outcomes After Stroke Rehabilitation, 179
Effect of Intravenous Thrombolysis on MRI Parameters and Functional Outcome in Acute Stroke <6 Hours, 2438
Effect of Socioeconomic Status on Treatment and Mortality After Stroke, 268
Effects of Body Position on Intracranial Pressure and Cerebral Perfusion in Patients With Large Hemispheric Stroke, 497
Effects of Hypertonic (10%) Saline in Patients With Raised Intracranial Pressure After Stroke, 136
Effects of Hypothermia on Excitatory Amino Acids and Metabolism in Stroke Patients: A Microdialysis Study, 519
Effects of Induced Hypertension on Intracranial Pressure and Flow Velocities of the Middle Cerebral Arteries in Patients With Large Hemispheric Stroke, 998
Emergent Use of Anticoagulation for Treatment of Patients With Ischemic Stroke, 856
Evaluation of Proxy Responses to the Stroke Impact Scale, 2593
Examining the Lacunar Hypothesis With Diffusion and Perfusion Magnetic Resonance Imaging, 2019
Falls, Fractures, and Osteoporosis After Stroke: Time to Think About Protection? 1432
Fractures After Stroke: Frequency, Types, and Associations, 728
Functional Reorganization of Motor Cortex Increases With Greater Axonal Injury From CADASIL, 502
Functional Walk Tests in Individuals With Stroke: Relation to Perceived Exertion and Myocardial Exertion, 756
Genetic and Environmental Risk Factors for Intracerebral Hemorrhage: Preliminary Results of a Population-Based Study, 1190
Genetic Liability in Stroke: A Long-Term Follow-Up Study of Danish Twins, 769
Guideline Compliance Improves Stroke Outcome: A Preliminary Study in 4 Districts in the Italian Region of Lombardia, 1341
Hemodynamic Studies in Early Ischemic Stroke: Serial Transcranial Doppler and Magnetic Resonance Angiography Evaluation, 1274
Hemoglobin-Induced Cytotoxicity in Rat Cerebral Cortical Neurons: Caspase Activation and Oxidative Stress, 1882
Higher Incidence of Falls in Long-Term Stroke Survivors Than in Population Controls: Depressive Symptoms Predict Falls After Stroke, 542
Hyperhomocyst(e)inemia and Risk of Ischemic Stroke Among Young Asian Adults, 1956
Incidence of Dementia After Ischemic Stroke: Results of a Longitudinal Study, 2254
Increased Anisotropy in Acute Stroke: A Possible Explanation, 1517
Inflammation and Stroke: The Leiden 85-Plus Study, 1135
Inflammation, Blood Pressure, and Stroke: An Opportunity to Target Primary Prevention? 2732
Intracerebral Hemorrhage Triggers Interleukin-6 and Interleukin-10 Release in Blood, 2334
Intracranial Venous Hemodynamics in Patients With Midline Dislocation Due to Postischemic Brain Edema, 479
Involvement of Matrix Metalloproteinase in Thrombolysis-Associated Hemorrhagic Transformation After Embolic Focal Ischemia in Rats, 831
Is Mild Cognitive Impairment Prodromal for Vascular Dementia Like Alzheimer's Disease? 1981
Isolated and Borderline Isolated Systolic Hypertension Relative to Long-Term Risk and Type of Stroke: A 20-Year Follow-Up of the National Health and Nutrition Survey, 2781
Lack of Evidence for Pulmonary Venous Thrombosis in Cryptogenic Stroke: A Magnetic Resonance Angiography Study, 1416
Lacunar Stroke Is the Major Cause of Progressive Motor Deficits, 1510
Leukoaraiosis, Ischemic Stroke, and Normal White Matter on Diffusion-Weighted MRI, 45

Linoleic Acid, Other Fatty Acids, and the Risk of Stroke, 2086
Long-Term Disability After First-Ever Stroke and Related Prognostic Factors in the Perth Community Stroke Study, 1989-1990, 1034
Magnetic Resonance Angiography in Childhood Arterial Brain Infarcts: A Comparative Study With Contrast Angiography, 1280
Modified National Institutes of Health Stroke Scale for Use in Stroke Clinical Trials: Prospective Reliability and Validity, 1261
Mutations in the Hemochromatosis Gene (*HFE*) and Stroke, 2363
Neurovascular Complications of Marfan Syndrome: A Retrospective, Hospital-Based Study, 680
Occurrence of Secondary Ischemic Events Among Persons With Atherosclerotic Vascular Disease, 901
Parallel Morning and Evening Surge in Stroke Onset, Blood Pressure, and Physical Activity, 1480
Perception of Verticality After Recent Cerebral Hemispheric Stroke, 2247
Persisting Consequences of Stroke Measured by the Stroke Impact Scale, 1840
Physician Advice, Patient Actions, and Health-Related Quality of Life in Secondary Prevention of Stroke Through Diet and Exercise, 565
Plasma Vitamin C Modifies the Association Between Hypertension and Risk of Stroke, 1568
Predictors of Cognitive Dysfunction After Subarachnoid Hemorrhage, 200
Predictors of Severe Stroke: Influence of Preexisting Dementia and Cardiac Disorders, 2357
Previous and Incident Dementia as Risk Factors for Mortality in Stroke Patients, 1993
Prognostic Importance of Leukoaraiosis in Patients With Symptomatic Internal Carotid Artery Stenosis, 1651
Prognostic Relevance of Early Serial C-Reactive Protein Measurements After First Ischemic Stroke, 2459
Protection Against Ischemia and Improvement of Cerebral Blood Flow in Genetically Hypertensive Rats by Chronic Pretreatment With an Angiotensin II AT_1 Antagonist, 2297
Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke: Assumptions, Limitations, and Potential Implications for Clinical Use, 1146
Quantitative and Qualitative Impairments in Skilled Reaching in the Mouse (*Mus musculus*) After a Focal Motor Cortex Stroke, 1869
Recommendations for Improving the Quality of Care Through Stroke Centers and Systems: An Examination of Stroke Center Identification Options, 326
Recommendations for the Endovascular Treatment of Intracranial Aneurysms: A Statement for Healthcare Professionals from the Committee on Cerebrovascular Imaging of the American Heart Association Council on Cardiovascular Radiology, 2536
Regional Cerebral Blood Flow and Magnetic Resonance Spectroscopic Imaging Findings in Diaschisis From Stroke, 1243
Release of Fatty Acid Amides in a Patient With Hemispheric Stroke: A Microdialysis Study, 2112
Risk Factors for Progression of Aortic Atheroma in Stroke and Transient Ischemic Attack Patients, 930
Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, 230
Safety of Tissue Plasminogen Activator for Acute Stroke in Menstruating Women, 2506
Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: A Population-Based Case-Control Study, 1465
Severe ADC Decreases Do Not Predict Irreversible Tissue Damage In Humans, 79
Social Stress Exacerbates Focal Cerebral Ischemia in Mice, 1660
Socioeconomic Status and Stroke Mortality: Refining the Relationship, 274
Stroke Awareness and Knowledge Retention in Children: The Brain Child Project, 623
Stroke in Lund-Orup, Sweden: Improved Long-Term Survival Among Elderly Stroke Patients, 1624
Stroke in the Young in the Northern Manhattan Stroke Study, 2789
Stroke Is Associated With Coronary Calcification as Detected by Electron-Beam CT: The Rotterdam Coronary Calcification Study, 462
Subarachnoid Hemorrhage: A Preventable Disease With a Heritable Component, 1321
Telephone Intervention With Family Caregivers of Stroke Survivors After Rehabilitation, 2060
The Concept of Patient Motivation: A Qualitative Analysis of Stroke Professionals' Attitudes, 444
The Impact of Poststroke Rehabilitation Guidlines on Functional Recovery, 177
The Next Generation: The Need to Expand Upon Traditional Risk Factors for Stroke, 236
The Physician's Role in Helping Patients to Increase Physical Activity and Improve Eating Habits, 570
The PROGRESS Trial: Preventing Strokes by Lowering Blood Pressure in Patients With Cerebral Ischemia: Emerging Therapies: *Critique of an Important Advance*, 319
Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123
Treadmill Training With Partial Body Weight Support and an Electromechanical Gait Trainer for Restoration of Gait in Subacute Stroke Patients: A Randomized Crossover Study, 2895
Trends in Stroke Prevalence Between 1973 and 1991 in the US *Population 25 to 74 Years of Age*, 1209
UKPDS 60: Risk of Stroke in Type 2 Diabetes Estimated by the UK Prospective Diabetes Study Risk Engine, 1776
Use of Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: Is There Reason for Concern? 1448
Validating Administrative Data in Stroke Research, 2465
Validation of a Weight-Based Nomogram for the Use of Intravenous *Heparin in Transient Ischemic Attack or Stroke*, 670
Weather, Chinook, and Stroke Occurrence, 1751
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443

Stroke assessment
CT Angiography With Whole Brain Perfused Blood Volume Imaging: Added Clinical Value in the Assessment of Acute Stroke, 959
Homonymous Visual Field Defects and Stroke in an Older Population, 2417
Modified National Institutes of Health Stroke Scale for Use in Stroke Clinical Trials: Prospective Reliability and Validity, 1261
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs, 306
Neuroprotection Is Unlikely to Be Effective in Humans Using Current Trial Designs: An Opposing View, 308
Neuroprotection: Establishing Proof of Concept in Human Stroke, 309

Stroke center
Recommendations for Improving the Quality of Care Through Stroke Centers and Systems: An Examination of Stroke Center Identification Options, 326

Stroke classification
CT Angiography With Whole Brain Perfused Blood Volume Imaging: Added Clinical Value in the Assessment of Acute Stroke, 959

Stroke management
Cerebral Autoregulation Under Moderate Hypothermia in Patients With Acute Stroke, 3026
Extending Tissue Plasminogen Activator Use to Community and Rural Stroke Patients, 141
Hemicraniectomy and Moderate Hypothermia in Patients With Severe Ischemic Stroke, 1584

Stroke mortality
Sex Differences in US Mortality Rates for Stroke and Stroke Subtypes by Race/Ethnicity and Age, 1995-1998, 1197

Stroke onset
Factors Influencing Early Admission in a French Stroke Unit, 153
Parallel Morning and Evening Surge in Stroke Onset, Blood Pressure, and Physical Activity, 1480

Stroke outcome
A Pilot Study of Event-Related Functional Magnetic Resonance Imaging of Monitored Wrist Movements in Patients With Partial Recovery, 2881
Brain Representation of Hemifield Stimulation in Poststroke Visual Field Defects, 1286
Combined Clinical and Imaging Information as an Early Stroke Outcome Measure, 466
Diffusion-Weighted MRI: Back to the Future, 2204

Homonymous Visual Field Defects and Stroke in an Older Population, 2417
Inflammation-Mediated Damage in Progressing Lacunar Infarctions: A Potential Therapeutic Target, 982
Prediction of Early Neurological Deterioration Using Diffusion- and Perfusion-Weighted Imaging in Hyperacute Middle Cerebral Artery Ischemic Stroke, 2197
Quality of Life Measurement After Stroke: Uses and Abuses of the SF-36, 1348
Reemergence of Stroke Deficits With Midazolam Challenge, 283
Stroke Rehabilitation: Indwelling Urinary Catheters, Enteral Feeding Tubes, and Tracheostomies Are Associated With Resource Use and Functional Outcomes, 1845

Stroke prevention
Aspirin Should Be First-Line Antiplatelet Therapy in the Secondary Prevention of Stroke, 2137
Aspirin Therapy Should Be First Line: Probably, But Watch This Space, 2139
Aspirin Therapy Should Be First-Line Treatment in Secondary Prevention of Stroke Against, 2138
Association Between Influenza Vaccination and Reduced Risk of Brain Infarction, 513
Carotid Plaque Area: A Tool for Targeting and Evaluating Vascular Preventive Therapy, 2916
Cessation of Smoking After First-Ever Stroke: A Follow-Up Study, 2263
Cholesterol Predicts Stroke Mortality in the Women's Pooling Project, 1863
How Well Are Hypertension, Hyperlipidemia, Diabetes, and Smoking Managed After a Stroke or Transient Ischemic Attack? 1656
Prevalence of Atrial Fibrillation and Antithrombotic Prophylaxis in Emergency Department Patients, 2664
Stroke Prevention Therapy Beyond Antithrombotics: Unifying Mechanisms in Ischemic Stroke Pathogenesis and Implications for Therapy: An Invited Review, 862

Stroke subtype
Etiologic Study of Young Ischemic Stroke in Taiwan, 1950

Stroke units
Factors Influencing Early Admission in a French Stroke Unit, 153
Randomized Controlled Study of Stroke Unit Care Versus Stroke Team Care in Different Stroke Subtypes, 449

Stroke, acute
Acetaminophen for Altering Body Temperature in Acute Stroke: A Randomized Clinical Trial, 130
Acute Intravenous-Intra-Arterial Revascularization Therapy for Severe Ischemic Stroke, 279
Acute Stroke Care in Illinois: A Statewide Assessment of Diagnostic and Treatment Capabilities, 1334
AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813
Assessment of Regional Acute Stroke Care, 1339
ATLANTIS Trial: Results for Patients Treated Within 3 Hours of Stroke Onset, 493
Cerebral Autoregulation Under Moderate Hypothermia in Patients With Acute Stroke, 3026
Changes in Plasma Homocyst(e)ine in the Acute Phase After Stroke, 473
Comparison of CT and CT Angiography Source Images With Diffusion-Weighted Imaging in Patients With Acute Stroke Within 6 Hours After Onset, 2426
Considering the Role of Heparin and Low-Molecular-Weight Heparins in Acute Ischemic Stroke, 1927
Correlation of Apparent Diffusion Coefficient and Computed Tomography Density in Acute Ischemic Stroke, 1786
Different Measures for Assessing Stroke Outcome: An Analysis From the International Stroke Trial in Italy, 218
Diffusion-Weighted MRI: Back to the Future, 2204
Do We Really Need a Better Way to Give Heparin in Acute Cerebral Ischemia? 659
Extending Tissue Plasminogen Activator Use to Community and Rural Stroke Patients, 141
Factors Influencing Early Admission in a French Stroke Unit, 153
Gangliosides for Acute Ischemic Stroke, 2336
Hemicraniectomy and Moderate Hypothermia in Patients With Severe Ischemic Stroke, 1584
Improving Delivery of Acute Stroke Therapy: The TLL Temple Foundation Stroke Project, 160
Intra-Arterial Thrombolysis in 100 Patients With Acute Stroke Due to Middle Cerebral Artery Occlusion, 1828
Magnetic Resonance Imaging Detection of Microbleeds Before Thrombolysis: An Emerging Application, 95
Magnetic Resonance Perfusion-Weighted Imaging of Acute Cerebral Infarction: Effect of the Calculation Methods and Underlying Vasculopathy, 87
Modification of Body Temperature After Acute Stroke: A New Concept Needed? 134
Oral Citicoline in Acute Ischemic Stroke: An Individual Patient Data Pooling Analysis of Clinical Trials, 2850
Prediction of Early Neurological Deterioration Using Diffusion- and Perfusion-Weighted Imaging in Hyperacute Middle Cerebral Artery Ischemic Stroke, 2197
Prevalence and Predictors of Upper Airway Obstruction in the First 24 Hours After Acute Stroke, 2037
Study Design and Outcome Measures in Studies on Aneurysmal Subarachnoid Hemorrhage, 2043
Thrombolysis for Stroke: Defining the Time Windows, 495
Treatment of Basilar Artery Embolism With a Mechanical Extraction Device: Necessity of Flow Reversal, 2232

Stroke, acute ischemic
Use of Intravenous Heparin by North American Neurologists: Do the Data Matter? 1574

Stroke, cardioembolic
Anatomy of Stroke, Part I: An MRI-Based Topographic and Volumetric System of Analysis, 2549
Anatomy of Stroke, Part II: Volumetric Characteristics With Implications for the Local Architecture of the Cerebral Perfusion System, 2557
Sildenafil (Viagra) Induces Neurogenesis and Promotes Functional Recovery After Stroke in Rats, 2675

Stroke, embolic
Acute Ischemic Stroke Patterns in Infective and Nonbacterial Thrombotic Endocarditis: A Diffusion-Weighted Magnetic Resonance Imaging Study, 1267

Stroke, experimental
Inhibition of Glutamate Release via Recovery of ATP Levels Accounts for a Neuroprotective Effect of Aspirin in Rat Cortical Neurons Exposed to Oxygen-Glucose Deprivation, 261
Neuroprotection and P450 2C11 Upregulation After Experimental Transient Ischemic Attack, 1677

Stroke, hemorrhagic
Air Pollution: A New Risk Factor in Ischemic Stroke Mortality, 2165
Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: A Population-Based Case-Control Study, 1465
Use of Selective Serotonin Reuptake Inhibitors and the Risk of Stroke: Is There Reason for Concern? 1448

Stroke, ischemic
Acute Basilar Artery Occlusion Treated With Combined Intravenous Abciximab and Intra-arterial Tissue Plasminogen Activator: Report of 3 Cases, 1424
Acute Intravenous-Intra-Arterial Revascularization Therapy for Severe Ischemic Stroke, 279
Addressing the Heterogeneity of the Ischemic Stroke Phenotype in Human Genetics Research, 2770
Adjustment in the Anger-Stroke Relationship: how Far Should One Go? 19
Air Pollution: A New Risk Factor in Ischemic Stroke Mortality, 2165
Alcohol Consumption and Risk of Ischemic Stroke: The Framingham Study, 907
AMPA Antagonist ZK200775 in Patients With Acute Ischemic Stroke: Possible Glial Cell Toxicity Detected by Monitoring of S-100B Serum Levels, 2813
Analysis of the Safety and Efficacy of Intra-Arterial Thrombolytic Therapy in Ischemic Stroke, 2866
Anticoagulants and Antiplatelet Agents in Acute Ischemic Stroke: Report of the Joint Stroke Guideline Development Committee of the American Academy of Neurology and the American Stroke Association (a Division of the American Heart Association), 1934

Baseline Blood Pressure but Not Early Computed Tomography Changes Predicts Major Hemorrhage After Streptokinase in Acute Ischemic Stroke, 2236
Blood Pressure and Clinical Outcomes in the International Stroke Trial, 1315
Cerebral Autoregulation Under Moderate Hypothermia in Patients With Acute Stroke, 3026
Cerebral Blood Flow Restoration and Reperfusion Injury After Ultraviolet Laser-Facilitated Middle Cerebral Artery Recanalization in Rat Thrombotic Stroke, 428
Changes in Plasma Homocyst(e)ine in the Acute Phase After Stroke, 473
Computed Tomographic Findings in Patients Undergoing Intra-arterial Thrombolysis for Acute Ischemic Stroke due to Middle Cerebral Artery Occlusion: Results From the PROACT II Trial, 1557
Computed Tomography of Hyperacute Infarctions in Relation to Intra-arterial Clot Lysis, 1565
Considering the Role of Heparin and Low-Molecular-Weight Heparins in Acute Ischemic Stroke, 1927
Creatine Kinase-MB Elevation After Stroke Is Not Cardiac in Origin: Comparison With Troponin T Levels, 286
CT and Diffusion-Weighted MR Imaging in Randomized Order: Diffusion-Weighted Imaging Results in Higher Accuracy and Lower Interrater Variability in the Diagnosis of Hyperacute Ischemic Stroke, 2206
Does Psychological Distress Predict the Risk of Ischemic Stroke and Transient Ischemic Attack? The Caerphilly Study, 7
Gangliosides for Acute Ischemic Stroke, 2336
Hyperhomocysteinemia and Other Inherited Prothrombotic Conditions in Young Adults With a History of Ischemic Stroke, 51
Impact of Aortic Stiffness on Ischemic Stroke in Elderly Patients, 2077
Increased Circulating Immune Complexes in Acute Stroke: The Triggering Role of *Chlamydia pneumoniae* and Cytomegalovirus, 936
Inflammation, Cell Adhesion Molecules, and Stroke: Tools in Pathophysiology and Epidemiology? 2141
Inflammation, Hemostatic Markers, and Antithrombotic Agents in Relation to Long-Term Risk of New Cardiovascular Events in First-Ever Ischemic Stroke Patients, 1763
Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827
Is CT or MRI the Method of Choice for Imaging Patients With Acute Stroke? Why Should Men Divide if Fate Has United? 2144
Isolated and Borderline Isolated Systolic Hypertension Relative to Long-Term Risk and Type of Stroke: A 20-Year Follow-Up of the National Health and Nutrition Survey, 2781
Long-Term Prognosis of Vascular Hemiballismus, 2109
Longitudinal Study of Motor Recovery After Stroke: Recruitment and Focusing of Brain Activation, 1610
Magnetic Resonance Imaging Detection of Microbleeds Before Thrombolysis: An Emerging Application, 95
Mesencephalic and Associated Posterior Circulation Infarcts, 2224
Multiparametric MRI ISODATA Ischemic Lesion Analysis: Correlation With the Clinical Neurological Deficit and Single-Parameter MRI Techniques, 2839
Oral Citicoline in Acute Ischemic Stroke: An Individual Patient Data Pooling Analysis of Clinical Trials, 2850
Paraoxonase 192 Gln→Arg Polymorphism: An Independent Risk Factor for Nonfatal Arterial Ischemic Stroke Among Young Adults, 1459
Personality and Vulnerability to Depression in Stroke Patients: A 1-Year Prospective Follow-Up Study, 2391
Prediction of Length of Stay of First-Ever Ischemic Stroke, 2670
Predictors of Hemorrhagic Transformation in Patients Receiving Intra-Arterial Thrombolysis, 717
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821
Risk of Arterial Thrombosis in Relation to Oral Contraceptives (RATIO) Study: Oral Contraceptives and the Risk of Ischemic Stroke, 1202
Risk of Stroke, Transient Ischemic Attack, and Vessel Occlusion Before Endarterectomy in Patients With Symptomatic Severe Carotid Stenosis, 1057
Severity of Angina Pectoris and Risk of Ischemic Stroke, 245
Sex Differences in US Mortality Rates for Stroke and Stroke Subtypes by Race/Ethnicity and Age, 1995-1998, 1197
Soluble Intercellular Adhesion Molecule-1 and Risk of Future Ischemic Stroke: A Nested Case-Control Study From the Bezafibrate Infarction Prevention (BIP) Study Cohort, 2182
The Association Between Trait Anger and Incident Stroke Risk: The Atherosclerosis Risk in Communities (ARIC) Study, 13
Thrombolysis and hemorrhagic Transformation, 724
Thrombolytic Therapy Within 3 to 6 Hours After Onset of Ischemic Stroke: Useful or Harmful? 1437
Warfarin-Aspirin Recurrent Stroke Study (WARSS) Trial: Is Warfarin Really a Reasonable Therapeutic Alternative to Aspirin for Preventing Recurrent Noncardioembolic Ischemic Stroke? 1723

Stromelysin 1

Carotid Intima-Media Thickness Is Associated With Allelic Variants of Stromelysin-1, Interleukin-6, and Hepatic Lipase Genes: The Northern Manhattan Prospective Cohort Study, 1420

Structured review

Costs and Benefits of Carotid Endarterectomy and Associated Preoperative Arterial Imaging: A Systematic Review of Health Economic Literature, 629

Subarachnoid hemorrhage

Apolipoprotein E Genotype and Outcome in Aneurysmal Subarachnoid Hemorrhage, 548
Association Between Subarachnoid Hemorrhage Outcomes and Number of Cases Treated at California Hospitals, 1851
Attenuation of Cerebral Vasospasm After Subarachnoid Hemorrhage in Mice Overexpressing Extracellular Superoxide Dismutase, 2317
Basilar Vasospasm Diagnosis: Investigation of a Modified "Lindegaard Index" Based on Imaging Studies and Blood Velocity Measurements of the Basilar Artery, 72
Continued Progress in Predicting Outcome After Subarachnoid Hemorrhage, 208
Direct Costs of Modern Treatment of Aneurysmal Subarachnoid Hemorrhage in the First Year After Diagnosis, 1595
Dissecting Aneurysms of Intracranial Carotid Circulation, 941
Efficacy and Safety of Nicardipine Prolonged-Release Implants for Preventing Vasospasm in Humans, 1011
Endovascular Treatment of Intracranial Aneurysms With Guglielmi Detachable Coils: Analysis of Midterm Angiographic and Clinical Outcomes, 210
Global Cerebral Edema After Subarachnoid Hemorrhage: Frequency, Predictors, and Impact on Outcome, 1225
Guglielmi Detachable Coil Embolization of Posterior Circulation Aneurysms: A Systematic Review of the Literature, 2509
Incidence of Aneurysmal Subarachnoid Hemorrhage in Shimokita, Japan, From 1989 to 1998, 195
Phosphatidylinositol 3-Kinase Inhibitor Failed to Reduce Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage, 593
Practice Makes Perfect, 1856
Predictors of Cognitive Dysfunction After Subarachnoid Hemorrhage, 200
Prevention of Experimental Cerebral Vasospasm by Intracranial Delivery of a Nitric Oxide Donor From a Controlled-Release Polymer: Toxicity and Efficacy Studies in Rabbits and Rats, 2681
Protective Vasomotor Effects of In Vivo Recombinant Endothelial Nitric Oxide Synthase Gene Expression in a Canine Model of Cerebral Vasospasm, 782
Recommendations for the Endovascular Treatment of Intracranial Aneurysms: A Statement for Healthcare Professionals from the Committee on Cerebrovascular Imaging of the American Heart Association Council on Cardiovascular Radiology, 2536
Sex Differences in US Mortality Rates for Stroke and Stroke Subtypes by Race/Ethnicity and Age, 1995-1998, 1197
Simvastatin Increases Endothelial Nitric Oxide Synthase and Ameliorates Cerebral Vasospasm Resulting From Subarachnoid Hemorrhage, 2950
Subarachnoid Hemorrhage: A Preventable Disease With a Heritable Component, 1321
Sympathetic Nervous Activity and Myocardial Damage Immediately After Subarachnoid Hemorrhage in a Unique Animal Model, 1671

The Need for a Quantifiable Normalized Transcranial Doppler Ratio for the Diagnosis of Posterior Circulation Vasospasm, 78
Vascular NAD(P)H Oxidase Triggers Delayed Cerebral Vasospasm After Subarachnoid Hemorrhage in Rats, 2687
Superoxide dismutase
Attenuation of Cerebral Vasospasm After Subarachnoid Hemorrhage in Mice Overexpressing Extracellular Superoxide Dismutase, 2317
Manganese Superoxide Dismutase Deficiency Exacerbates Cerebral Infarction After Focal Cerebral Ischemia/Reperfusion in Mice: Implications for the Production and Role of Superoxide Radicals, 809
Superoxides
Gene Transfer of Inducible Nitric Oxide Synthase Impairs Relaxation in Human and Rabbit Cerebral Arteries, 2292
Surgery
Endovascular Coil Embolization of Cerebral Aneurysm Remnants After Incomplete Surgical Obliteration, 1809
Multidisciplinary Management of Spinal Dural Arteriovenous Fistulas: Clinical Presentation and Long-Term Follow-Up in 49 Patients, 1578
Surgical treatment
Dysplastic Vessels After Surgery for Brain Arteriovenous Malformations, 1053
Survival
Long-Term Prognosis of Vascular Hemiballismus, 2109
Stroke in Lund-Orup, Sweden: Improved Long-Term Survival Among Elderly Stroke Patients, 1624
Survival analysis
Adjustment in the Anger-Stroke Relationship: How Far Should One Go? 19
The Association Between Trait Anger and Incident Stroke Risk: The Atherosclerosis Risk in Communities (ARIC) Study, 13
Sweden
Stroke in Lund-Orup, Sweden: Improved Long-Term Survival Among Elderly Stroke Patients, 1624
Sympathetic nervous system
Sympathetic Nervous Activity and Myocardial Damage Immediately After Subarachnoid Hemorrhage in a Unique Animal Model, 1671
Synapses
Endogenous Dopamine Amplifies Ischemic Long-Term Potentiation via D1 Receptors, 2978
Persistent Defect in Transmitter Release and Synapsin Phosphorylation in Cerebral Cortex After Transient Moderate Ischemic Injury, 1369

T

Taiwan
Apolipoprotein A-I and B and Stroke Events in a Community-Based Cohort in Taiwan: Report of the Chin-Shan Community Cardiovascular Study, 39
Takayasu's arteritis
Microembolus Detection in Patients With Takayasu's Arteritis, 712
Temperature
Acetaminophen for Altering Body Temperature in Acute Stroke: A Randomized Clinical Trial, 130
Modification of Body Temperature After Acute Stroke: A New Concept Needed? 134
Postoperative Hyperthermia Is Associated With Cognitive Dysfunction After Coronary Artery Bypass Graft Surgery, 537
Tests of scaling assumptions
Quality of Life Measurement After Stroke: Uses and Abuses of the SF-36, 1348
Thalamic diseases
Amitriptyline in the Prophylaxis of Central Poststroke Pain: Preliminary Results of 39 Patients in a Placebo-Controlled, Long-Term Study, 3030
Thalamus
Different Mechanisms of Secondary Neuronal Damage in Thalamic Nuclei After Focal Cerebral Ischemia in Rats, 3006
Somatosensory Gating and Recovery From Stroke Involving the Thalamus, 2642
Therapeutics
Direct Costs of Modern Treatment of Aneurysmal Subarachnoid Hemorrhage in the First Year After Diagnosis, 1595
Thiosulfates
Safety of Intraventricular Sodium Nitroprusside and Thiosulfate for the Treatment of Cerebral Vasospasm in the Intensive Care Unit Setting, 486
Thrombi
Study Design and Outcome Measures in Studies on Aneurysmal Subarachnoid Hemorrhage, 2043
Treatment of Basilar Artery Embolism With a Mechanical Extraction Device: Necessity of Flow Reversal, 2232
Thrombin
Behavioral Tests After Intracerebral Hemorrhage in the Rat, 2478
Delayed Argatroban Treatment Reduces Edema in a Rat Model of Intracerebral Hemorrhage, 3012
Thromboembolism
High Plasma Brain Natriuretic Polypeptide Level as a Marker of Risk for Thromboembolism in Patients With Nonvalvular Atrial Fibrillation, 1005
Inhibition of Factor IX(a) Is Protective in a Rat Model of Thromboembolic Stroke, 578
Low-Molecular-Weight Heparins or Heparinoids Versus Standard Unfractionated Heparin for Acute Ischemic Stroke (Cochrane Review), 1925
New Method of Embolus Preparation for Standardized Embolic Stroke in Rabbits, 2329
β-Thromboglobulin
Platelet P-Selectin Levels in Relation to Plasma Soluble P-Selectin and β-Thromboglobulin Levels in Atrial Fibrillation, 1237
Thrombolysis
ATLANTIS Trial: Results for Patients Treated Within 3 Hours of Stroke Onset, 493
Atrial Fibrillation, Stroke, and Acute Antithrombotic Therapy: Analysis of Randomized Clinical Trials, 2722
Baseline Blood Pressure but Not Early Computed Tomography Changes Predicts Major Hemorrhage After Streptokinase in Acute Ischemic Stroke, 2236
Brain Hemorrhage After Thrombolysis: Good or Bad? 1446
Cerebral Blood Flow Restoration and Reperfusion Injury After Ultraviolet Laser-Facilitated Middle Cerebral Artery Recanalization in Rat Thrombotic Stroke, 428
Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066
Computed Tomographic Findings in Patients Undergoing Intra-arterial Thrombolysis for Acute Ischemic Stroke due to Middle Cerebral Artery Occlusion: Results From the PROACT II Trial, 1557
Computed Tomography of Hyperacute Infarctions in Relation to Intra-arterial Clot Lysis, 1565
Direct Percutaneous Transluminal Angioplasty for Acute Middle Cerebral Artery Trunk Occlusion: An Alternative Option to Intra-arterial Thrombolysis, 2872
High Rate of Recanalization of Middle Cerebral Artery Occlusion During 2-MHz Transcranial Color-Coded Doppler Continuous Monitoring Without Thrombolytic Drug, 626
Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827
Magnetic Resonance Imaging Detection of Microbleeds Before Thrombolysis: An Emerging Application, 95
Prediction of Hemorrhagic Transformation After Thrombolytic Therapy of Clot Embolism: An MRI Investigation in Rat Brain, 1392
Predictors of Hemorrhagic Transformation After Intravenous Recombinant Tissue Plasminogen Activator: Prognostic Value of the Initial Apparent Diffusion Coefficient and Diffusion-Weighted Lesion Volume, 2047
Predictors of Hemorrhagic Transformation in Patients Receiving Intra-Arterial Thrombolysis, 717
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821
Thrombolysis and Hemorrhagic Transformation, 724
Thrombolysis for Stroke: Defining the Time Windows, 495

Thrombolysis-Related Hemorrhagic Infarction: A Marker of Early Reperfusion, Reduced Infarct Size, and Improved Outcome in Patients With Proximal Middle Cerebral Artery Occlusion, 1551
Thrombolytic Therapy Within 3 to 6 Hours After Onset of Ischemic Stroke: Useful or Harmful? 1437

Thrombolytic therapy
Acute Basilar Artery Occlusion Treated With Combined Intravenous Abciximab and Intra-arterial Tissue Plasminogen Activator: Report of 3 Cases, 1424
Analysis of the Safety and Efficacy of Intra-Arterial Thrombolytic Therapy in Ischemic Stroke, 2866
Can Transcranial Ultrasonication Increase Recanalization Flow With Tissue Plasminogen Activator? 1399
Comparison of Admission Perfusion Computed Tomography and Qualitative Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging in Acute Stroke Patients, 2025
Early Dramatic Recovery During Intravenous Tissue Plasminogen Activator Infusion: Clinical Pattern and Outcome in Acute Middle Cerebral Artery Stroke, 1301
Effect of Intravenous Thrombolysis on MRI Parameters and Functional Outcome in Acute Stroke <6 Hours, 2438
Extending Tissue Plasminogen Activator Use to Community and Rural Stroke Patients, 141
Improving Delivery of Acute Stroke Therapy: The TLL Temple Foundation Stroke Project, 160
Intra-Arterial Thrombolysis in 100 Patients With Acute Stroke Due to Middle Cerebral Artery Occlusion, 1828
Microplasmin: A Novel Thrombolytic That Improves Behavioral Outcome After Embolic Strokes in Rabbits, 2279
Rapid Breakdown of Microvascular Barriers and Subsequent Hemorrhagic Transformation After Delayed Recombinant Tissue Plasminogen Activator Treatment in a Rat Embolic Stroke Model, 2100
Thrombolytic Treatment of Clot Embolism in Rat: Comparison of Intra-arterial and Intravenous Application of Recombinant Tissue Plasminogen Activator, 2999

Thrombosis
Antiphospholipid Antibodies and Stroke in Young Women, 2396
aPL and Stroke in Young Women: More Fuel for the Stroke Risk Fire, 2400
Aspirin and Urinary 11-Dehydrothromboxane B_2 in African American Stroke Patients, 57
Chlamydia pneumoniae Serology Is Associated With Thrombosis-Related but Not With Plaque-Related Microembolization During Carotid Endarterectomy, 1249
Intracranial Venous Hemodynamics Is a Factor Related to a Favorable Outcome in Cerebral Venous Thrombosis, 1645
Is the Hypercoagulable State in Atrial Fibrillation Mediated by Vascular Endothelial Growth Factor? 2187

Tibolone
Comparison of Tibolone and Conjugated Equine Estrogens Effects on Carotid Artery Atherosclerosis of Postmenopausal Monkeys, 2700

Ticlopidine
Aspirin Therapy Should Be First-Line Treatment in Secondary Prevention of Stroke Against, 2138
Inflammation, Hemostatic Markers, and Antithrombotic Agents in Relation to Long-Term Risk of New Cardiovascular Events in First-Ever Ischemic Stroke Patients, 1763

Time factors
Thrombolytic Therapy Within 3 to 6 Hours After Onset of Ischemic Stroke: Useful or Harmful? 1437

Tissue engineering
Cellular Responses of Bioabsorbable Polymeric Material and Guglielmi Detachable Coil in Experimental Aneurysms, 1120

Tissue plasminogen activator
Acute Intravenous-Intra-Arterial Revascularization Therapy for Severe Ischemic Stroke, 279
ATLANTIS Trial: Results for Patients Treated Within 3 Hours of Stroke Onset, 493
Biochemical Basis of Angioedema Associated With Recombinant Tissue Plasminogen Activator Treatment: An In Vitro Experimental Approach, 1712
Blood-Brain Barrier Disruption and Matrix Metalloproteinase-9 Expression During Reperfusion Injury: Mechanical Versus Embolic Focal Ischemia in Spontaneously Hypertensive Rats, 2711
Can Transcranial Ultrasonication Increase Recanalization Flow With Tissue Plasminogen Activator? 1399
Clinical and Sonographic Patterns of Tandem Internal Carotid Artery/Middle Cerebral Artery Occlusion in Tissue Plasminogen Activator-Treated Patients, 99
Clinical and Vascular Outcome in Internal Carotid Artery Versus Middle Cerebral Artery Occlusions After Intravenous Tissue Plasminogen Activator, 2066
Extending Tissue Plasminogen Activator Use to Community and Rural Stroke Patients, 141
Inhibition of Factor IX(a) Is Protective in a Rat Model of Thromboembolic Stroke, 578
Intra-Arterial Thrombolytic Therapy for Acute Stroke: The Debate Continues, 1827
Involvement of Matrix Metalloproteinase in Thrombolysis-Associated Hemorrhagic Transformation After Embolic Focal Ischemia in Rats, 831
Microplasmin: A Novel Thrombolytic That Improves Behavioral Outcome After Embolic Strokes in Rabbits, 2279
Neuroprotective Effects of the Spin Trap Agent Disodium-[(tert-butylimino)methyl]benzene-1,3-disulfonate *N*-Oxide (Generic NXY-059) in a Rabbit Small Clot Embolic Stroke Model: Combination Studies With the Thrombolytic Tissue Plasminogen Activator, 1411
Predictors of Hemorrhagic Transformation After Intravenous Recombinant Tissue Plasminogen Activator: Prognostic Value of the Initial Apparent Diffusion Coefficient and Diffusion-Weighted Lesion Volume, 2047
Predictors of Hemorrhagic Transformation in Patients Receiving Intra-Arterial Thrombolysis, 717
Response to Intra-Arterial and Combined Intravenous and Intra-Arterial Thrombolytic Therapy in Patients With Distal Internal Carotid Artery Occlusion, 1821
Safety of Tissue Plasminogen Activator for Acute Stroke in Menstruating Women, 2506
The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147
Thrombolysis and Hemorrhagic Transformation, 724
Thrombolysis for Stroke: Defining the Time Windows, 495
Thrombolytic Therapy Within 3 to 6 Hours After Onset of Ischemic Stroke: Useful or Harmful? 1437

Tomography
Stroke Is Associated With Coronary Calcification as Detected by Electron-Beam CT: The Rotterdam Coronary Calcification Study, 462

Tomography, emission computed
Cerebrovascular Reactivity to Acetazolamide and Outcome in Patients With Symptomatic Internal Carotid or Middle Cerebral Artery Occlusion: A Xenon-133 Single-Photon Emission Computed Tomography Study, 1857
Changes in Blood Flow and Oxygen Metabolism During Visual Stimulation in Carotid Artery Disease: Effect of Baseline Perfusion and Oxygen Metabolism, 1294
Detection of Misery Perfusion With Split-Dose ^{123}I-Iodoamphetamine Single-Photon Emission Computed Tomography in Patients With Carotid Occlusive Diseases, 2217
Malignant Infarction in Cats After Prolonged Middle Cerebral Artery Occlusion: Glutamate Elevation Related to Decrease of Cerebral Perfusion Pressure, 1383
Regional Cerebral Blood Flow and Magnetic Resonance Spectroscopic Imaging Findings in Diaschisis From Stroke, 1243

Tomography, x-ray computed
Basilar Vasospasm Diagnosis: Investigation of a Modified "Lindegaard Index" Based on Imaging Studies and Blood Velocity Measurements of the Basilar Artery, 72
Comparison of Admission Perfusion Computed Tomography and Qualitative Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging in Acute Stroke Patients, 2025
Comparison of CT and CT Angiography Source Images With Diffusion-Weighted Imaging in Patients With Acute Stroke Within 6 Hours After Onset, 2426

Computed Tomographic Findings in Patients Undergoing Intra-arterial Thrombolysis for Acute Ischemic Stroke due to Middle Cerebral Artery Occlusion: Results From the PROACT II Trial, 1557
Computed Tomography of Hyperacute Infarctions in Relation to Intra-arterial Clot Lysis, 1565
CT Angiography With Whole Brain Perfused Blood Volume Imaging: Added Clinical Value in the Assessment of Acute Stroke, 959
The Need for a Quantifiable Normalized Transcranial Doppler Ratio for the Diagnosis of Posterior Circulation Vasospasm, 78
Visual Rating Scales for Age-Related White Matter Changes (Leukoaraiosis): Can the Heterogeneity Be Reduced? 2827

Tracheostomy
Stroke Rehabilitation: Indwelling Urinary Catheters, Enteral Feeding Tubes, and Tracheostomies Are Associated With Resource Use and Functional Outcomes, 1845

Transcutaneous electric nerve stimulation
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589

Transient ischemic attack
The PROGRESS Trial: Preventing Strokes by Lowering Blood Pressure in Patients With Cerebral Ischemia: Emerging Therapies: Critique of an Important Advance, 319

Transition ratio
Cost of Identifying Patients for Carotid Endarterectomy, 435

Translational research
NINDS-Sponsored Clinical Trials in Stroke: Past, Present, and Future, 311

Translations
Toward Wisdom From Failure: Lessons From Neuroprotective Stroke Trials and New Therapeutic Directions, 2123

Trauma
Fractures After Stroke: Frequency, Types, and Associations, 728
Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain, 2738

Treatment outcome
A Population-Based Study of Brain Arteriovenous Malformation: Long-Term Treatment Outcomes, 2794
Acute Stroke Care in Illinois: A Statewide Assessment of Diagnostic and Treatment Capabilities, 1334
Assessment of Regional Acute Stroke Care, 1339
Clinical Course of Cranial Dural Arteriovenous Fistulas With Long-Term Persistent Cortical Venous Reflux, 1233

Troponin T
Creatine Kinase-MB Elevation After Stroke Is Not Cardiac in Origin: Comparison With Troponin T Levels, 286

Tumor necrosis factor
Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage, 2499

Twins
Genetic Liability in Stroke: A Long-Term Follow-Up Study of Danish Twins, 769

U

Ultrasonics
Echo Contrast-Enhanced Transcranial Ultrasound: Frequency of Use, Diagnostic Benefit, and Validity of Results Compared With MRA, 2600
Heritability of Carotid Artery Intima-Medial Thickness in Type 2 Diabetes, 1876

Ultrasonography
Association Between Behavior-Dependent Cardiovascular Risk Factors and Asymptomatic Carotid Atherosclerosis in a General Population, 2929
Association Between Carotid Intima-Media Thickness and Low-Density Lipoprotein Size and Susceptibility of Low-Density Lipoprotein to Oxidation in Asymptomatic Members of Familial Combined Hyperlipidemia Families, 1255
Brain Hemorrhage After Thrombolysis: Good or Bad? 1446
Carotid Artery Intima-Media Thickness and Lacunar Versus Nonlacunar Infarcts, 689
Carotid Intima-Media Thickness in Familial Combined Hyperlipidemia and LDL Size, 1174
Carotid Intima-Media Thickness Is Associated With Allelic Variants of Stromelysin-1, Interleukin-6, and Hepatic Lipase Genes: The Northern Manhattan Prospective Cohort Study, 1420
Carotid Plaque Area: A Tool for Targeting and Evaluating Vascular Preventive Therapy, 2916
Color Velocity Imaging Quantification in the Detection of Intracranial Collateral Flow, 1795
Detection of Carotid Artery Stenosis by In Vivo Duplex Ultrasound: Correlation With Planimetric Measurements of the Corresponding Postmortem Specimens, 2402
Early Dramatic Recovery During Intravenous Tissue Plasminogen Activator Infusion: Clinical Pattern and Outcome in Acute Middle Cerebral Artery Stroke, 1301
Effect of Controlled Release/Extended Release Metoprolol on Carotid Intima-Media Thickness in Patients With Hypercholesterolemia: A 3-Year Randomized Study, 572
Imaging of Distal Internal Carotid Artery by Ultrasonography With a 3.5-MHz Convex Probe, 1792
Optimizing the Technique of Contrast Transcranial Doppler Ultrasound in the Detection of Right-to-Left Shunts, 2211
Second Harmonic Imaging of the Human Brain: The Practicability of Coronal Insonation Planes and Alternative Perfusion Parameters, 1530
Thrombolysis-Related Hemorrhagic Infarction: A Marker of Early Reperfusion, Reduced Infarct Size, and Improved Outcome in Patients With Proximal Middle Cerebral Artery Occlusion, 1551

Ultrasonography, Doppler
Automatic Online Embolus Detection and Artifact Rejection With the First Multifrequency Transcranial Doppler, 1969
Online Automatic Discrimination Between Solid and Gaseous Cerebral Microemboli With the First Multifrequency Transcranial Doppler, 1975
Progression of Middle Cerebral Artery Occlusive Disease and Its Relationship With Further Vascular Events After Stroke, 532

Ultrasonography, Doppler, color
Intracranial Venous Hemodynamics in Patients With Midline Dislocation Due to Postischemic Brain Edema, 479
Intracranial Venous Hemodynamics Is a Factor Related to a Favorable Outcome in Cerebral Venous Thrombosis, 1645

Ultrasonography, Doppler, duplex
Carotid Artery Wall Thickness in Patients With Obstructive Sleep Apnea Syndrome, 1782
Preoperative Diagnosis of Carotid Artery Stenosis: Accuracy of Noninvasive Testing, 2003
Prolonged Cerebral Transit Time in CADASIL: A Transcranial Ultrasound Study, 509
Routine Duplex Surveillance Does Not Improve the Outcome After Carotid Endarterectomy: A Decision and Cost Utility Analysis, 749

Ultrasonography, Doppler, transcranial
Are Spontaneous Cerebral Microemboli Consistent in Carotid Disease? 685
Basilar Vasospasm Diagnosis: Investigation of a Modified "Lindegaard Index" Based on Imaging Studies and Blood Velocity Measurements of the Basilar Artery, 72
Clinical and Sonographic Patterns of Tandem Internal Carotid Artery/Middle Cerebral Artery Occlusion in Tissue Plasminogen Activator-Treated Patients, 99
Comparison Between Echo Contrast Agent-Specific Imaging Modes and Perfusion-Weighted Magnetic Resonance Imaging for the Assessment of Brain Perfusion, 2433
Diffusion-Weighted MRI: Back to the Future, 2204
Elevated Cerebral Blood Flow Velocities in Fabry Disease With Reversal After Enzyme Replacement, 525
Hemodynamic Studies in Early Ischemic Stroke: Serial Transcranial Doppler and Magnetic Resonance Angiography Evaluation, 1274
High Rate of Recanalization of Middle Cerebral Artery Occlusion During 2-MHz Transcranial Color-Coded Doppler Continuous Monitoring Without Thrombolytic Drug, 626
Intracranial Venous Hemodynamics in Patients With Midline Dislocation Due to Postischemic Brain Edema, 479
Microembolus Detection in Patients With Takayasu's Arteritis, 712
Possible Determinants of Early Microembolism After Carotid Endarterectomy, 2082

Prediction of Early Neurological Deterioration Using Diffusion- and Perfusion-Weighted Imaging in Hyperacute Middle Cerebral Artery Ischemic Stroke, 2197
Prolonged Cerebral Transit Time in CADASIL: A Transcranial Ultrasound Study, 509
Risk of Stroke, Transient Ischemic Attack, and Vessel Occlusion Before Endarterectomy in Patients With Symptomatic Severe Carotid Stenosis, 1057
Source of Microembolic Signals in Patients With High-Grade Carotid Stenosis, 2014
The Need for a Quantifiable Normalized Transcranial Doppler Ratio for the Diagnosis of Posterior Circulation Vasospasm, 78

Ultrasonography, transcranial
Can Transcranial Ultrasonication Increase Recanalization Flow With Tissue Plasminogen Activator? 1399

Uric acid
Prognostic Significance of Uric Acid Serum Concentration in Patients With Acute Ischemic Stroke, 1048

Urokinase
Intra-Arterial Thrombolysis in 100 Patients With Acute Stroke Due to Middle Cerebral Artery Occlusion, 1828
Predictors of Hemorrhagic Transformation in Patients Receiving Intra-Arterial Thrombolysis, 717
Thrombolysis and hemorrhagic Transformation, 724

V

Vascular cellular adhesion molecule-1
Chlamydia pneumoniae Seropositivity Is Associated With Increased Plasma Levels of Soluble Cellular Adhesion Molecules in Community-Dwelling Subjects: The Shimanami Health Promoting Program (J-SHIPP) Study, 1474

Vascular diseases
The Nonpeptide Glycoprotein IIb/IIIa Platelet Receptor Antagonist SM-20302 Reduces Tissue Plasminogen Activator-Induced Intracerebral Hemorrhage After Thromboembolic Stroke, 147

Vascular disorders
Alzheimer Disease as a Vascular Disorder: Nosological Evidence, 1152

Vascular malformations
Angioarchitectural Factors Present in Brain Arteriovenous Malformations Associated With Hemorrhagic Presentation, 920
Characteristics of Brain Arteriovenous Malformations With Coexisting Aneurysms: A Comparison of Two Referral Centers, 675
Large and Deep Brain Arteriovenous Malformations Are Associated With Risk of Future Hemorrhage, 1220
Quality of Life, Anxiety, and Depression in Patients With an Untreated Intracranial Aneurysm or Arteriovenous Malformation, 440

Vascular plugging
Prereperfusion Saline Infusion Into Ischemic Territory Reduces Inflammatory Injury After Transient Middle Cerebral Artery Occlusion in Rats, 2492

Vascular surgery
Routine Duplex Surveillance Does Not Improve the Outcome After Carotid Endarterectomy: A Decision and Cost Utility Analysis, 749

Vasoactive intestinal peptide
NAP, a Femtomolar-Acting Peptide, Protects the Brain Against Ischemic Injury by Reducing Apoptotic Death, 1085

Vasoconstriction
Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat, 3019

Vasodilation
Endothelium-Derived Hyperpolarizing Factor in the Brain: A New Regulator of Cerebral Blood Flow? 661

Vasospasm
Attenuation of Cerebral Vasospasm After Subarachnoid Hemorrhage in Mice Overexpressing Extracellular Superoxide Dismutase, 2317
Basilar Vasospasm Diagnosis: Investigation of a Modified "Lindegaard Index" Based on Imaging Studies and Blood Velocity Measurements of the Basilar Artery, 72
Endothelin-1-Induced Vasospasms of Spiral Modiolar Artery Are Mediated by Rho-Kinase-Induced Ca^{2+} Sensitization of Contractile Apparatus and Reversed by Calcitonin Gene-Related Peptide, 2965
Safety of Intraventricular Sodium Nitroprusside and Thiosulfate for the Treatment of Cerebral Vasospasm in the Intensive Care Unit Setting, 486
Simvastatin Increases Endothelial Nitric Oxide Synthase and Ameliorates Cerebral Vasospasm Resulting From Subarachnoid Hemorrhage, 2950
The Need for a Quantifiable Normalized Transcranial Doppler Ratio for the Diagnosis of Posterior Circulation Vasospasm, 78
Vascular NAD(P)H Oxidase Triggers Delayed Cerebral Vasospasm After Subarachnoid Hemorrhage in Rats, 2687

Vasospasm, intracranial
Efficacy and Safety of Nicardipine Prolonged-Release Implants for Preventing Vasospasm in Humans, 1011
Inhibitory Effect With Antisense Mitogen-Activated Protein Kinase Oligodeoxynucleotide Against Cerebral Vasospasm in Rats, 775
Phosphatidylinositol 3-Kinase Inhibitor Failed to Reduce Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage, 593
Prevention of Experimental Cerebral Vasospasm by Intracranial Delivery of a Nitric Oxide Donor From a Controlled-Release Polymer: Toxicity and Efficacy Studies in Rabbits and Rats, 2681
Protective Vasomotor Effects of In Vivo Recombinant Endothelial Nitric Oxide Synthase Gene Expression in a Canine Model of Cerebral Vasospasm, 782

Venous stasis retinopathy
Venous Stasis Retinopathy in Symptomatic Carotid Artery Occlusion: Prevalence, Cause, and Outcome, 695

Venous thrombosis
Lack of Evidence for Pulmonary Venous Thrombosis in Cryptogenic Stroke: A Magnetic Resonance Angiography Study, 1416

Ventricular dysfunction
Sympathetic Nervous Activity and Myocardial Damage Immediately After Subarachnoid Hemorrhage in a Unique Animal Model, 1671

Verification
Recommendations for Improving the Quality of Care Through Stroke Centers and Systems: An Examination of Stroke Center Identification Options, 326

Vertebral artery
Acute Basilar Artery Occlusion Treated With Combined Intravenous Abciximab and Intra-arterial Tissue Plasminogen Activator: Report of 3 Cases, 1424

Visual disorders
Homonymous Visual Field Defects and Stroke in an Older Population, 2417

Visual fields
Homonymous Visual Field Defects and Stroke in an Older Population, 2417

Visual verticality
Perception of Verticality After Recent Cerebral Hemispheric Stroke, 2247

W

Warfarin
Atrial Fibrillation, Shared Decision Making, and the Prevention of Stroke, 243
Considering the Role of Heparin and Low-Molecular-Weight Heparins in Acute Ischemic Stroke, 1927
Ethnic Differences in Patient Perceptions of Atrial Fibrillation and Anticoagulation Therapy: The West Birmingham Atrial Fibrillation Project, 238

Weather
Weather, Chinook, and Stroke Occurrence, 1751

White matter
Cerebral Perfusion and Cerebrovascular Reactivity Are Reduced in White Matter Hyperintensities, 972
Leukoaraiosis, Ischemic Stroke, and Normal White Matter on Diffusion-Weighted MRI, 45
Twenty-four-Hour Blood Pressure and MRI as Predictive Factors for Different Outcomes in Patients With Lacunar Infarct, 297
Variability in Midlife Systolic Blood Pressure Is Related to Late-Life Brain White Matter Lesions: The Honolulu-Asia Aging Study, 26

Visual Rating Scales for Age-Related White Matter Changes (Leukoaraiosis): Can the Heterogeneity Be Reduced? 2827

Whites
Risk of Hospitalized Stroke in Men Enrolled in the Honolulu Heart Program and the Framingham Study: A Comparison of Incidence and Risk Factor Effects, 230
The Next Generation: The Need to Expand Upon Traditional Risk Factors for Stroke, 236

Wine
Alcohol Consumption and Risk of Ischemic Stroke: The Framingham Study, 907

Women
Antiphospholipid Antibodies and Stroke in Young Women, 2396
aPL and Stroke in Young Women: More Fuel for the Stroke Risk Fire, 2400
Association of Obesity and Central Fat Distribution With Carotid Artery Wall Thickening in Middle-Aged Women, 2923
Cholesterol Predicts Stroke Mortality in the Women's Pooling Project, 1863
Safety of Tissue Plasminogen Activator for Acute Stroke in Menstruating Women, 2506
Stroke Risk Factor Profiles in African American Women: An Interim Report From the African-American Antiplatelet Stroke Prevention Study, 913

Workup
Cost of Identifying Patients for Carotid Endarterectomy, 435

Worsening
Worsening in Ischemic Stroke Patients: Is it Time for a New Strategy? 1443

Wortmannin
Phosphatidylinositol 3-Kinase Inhibitor Failed to Reduce Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage, 593

Wrist
Two Coupled Motor Recovery Protocols Are Better Than One: Electromyogram-Triggered Neuromuscular Stimulation and Bilateral Movements, 1589

Y

Young adults
Etiologic Study of Young Ischemic Stroke in Taiwan, 1950
Hyperhomocyst(e)inemia and Risk of Ischemic Stroke Among Young Asian Adults, 1956
Hyperhomocysteinemia and Other Inherited Prothrombotic Conditions in Young Adults With a History of Ischemic Stroke, 51
Incidence and Short-Term Outcome of Cerebral Infarction in Young Adults in Western Norway, 2105
Paraoxonase 192 Gln→Arg Polymorphism: An Independent Risk Factor for Nonfatal Arterial Ischemic Stroke Among Young Adults, 1459
Stroke in the Young in the Northern Manhattan Stroke Study, 2789